Figure 1

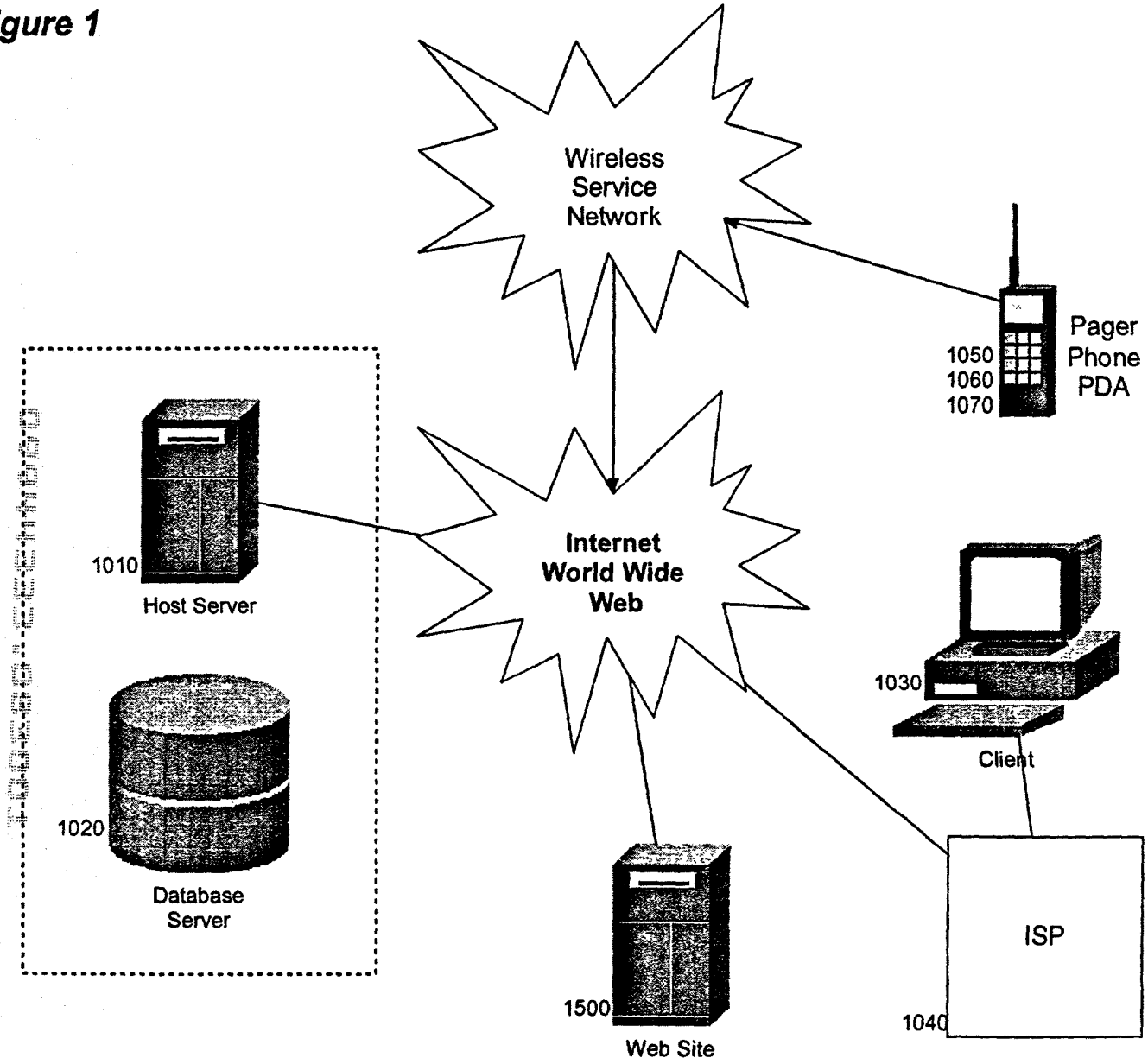

Wireless
Service
Network
Pager
Phone
PDA
1050
1060
1070
1010
Host Server
Internet
World Wide
Web
1030
Client
1020
Database
Server
ISP
1500
Web Site
1040

Figure 2

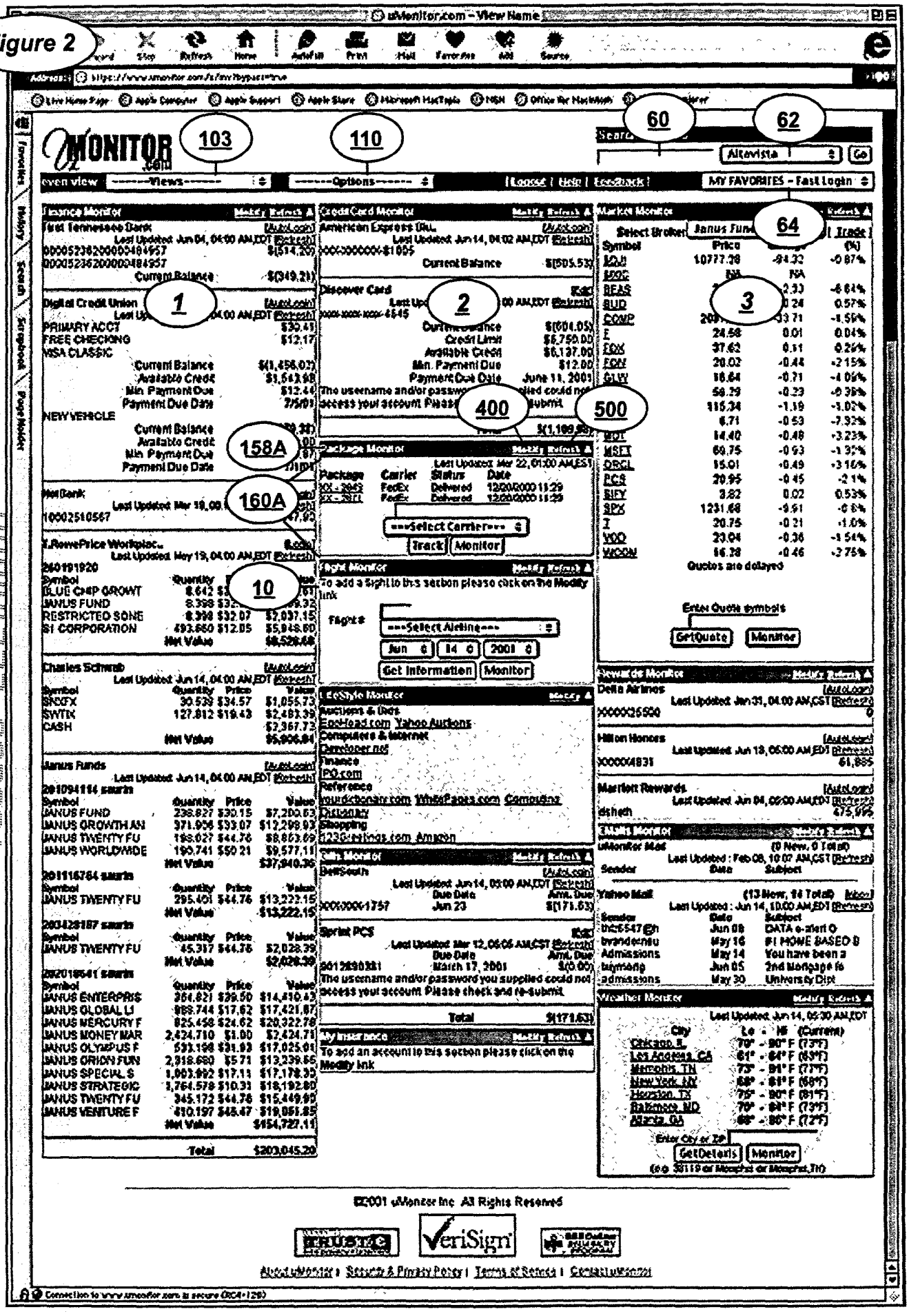

uMonitor.com - View Name
MONITOR .com
103
110
60
62
Altavista
Go
even view
------Views------
------Options------
Logout | Help | FeedBack
MY FAVORITES - Fast Login
Finance Monitor
First Tennessee Bank
Digital Credit Union
1
PRIMARY ACCT $30.41
FREE CHECKING $12.17
MSA CLASSIC
Current Balance $(1,456.02)
Available Credit $1,543.98
Min. Payment Due $12.44
Payment Due Date 7/5/01
NEW VEHICLE
158A
160A
10
Charles Schwab
Janus Funds
Total $203,045.20
Credit Card Monitor
American Express (Bu...
Current Balance $(505.53)
Discover Card
2
Current Balance $(604.05)
Credit Limit $5,750.00
Available Credit $5,137.00
Min. Payment Due $12.00
Payment Due Date June 11, 2001
400
500
Total $(1,109.58)
Package Monitor
Last Updated: Mar 22, 01:00 AM,EST
Package Carrier Status Date
FedEx Delivered 12/00/0000 11:29
FedEx Delivered 12/00/0000 11:29
---Select Carrier---
Track
Monitor
Flight Monitor
To add a flight to this section please click on the Modify link
Flights
---Select Airline---
Jun 6 14 2001
Get Information
Monitor
LifeStyle Monitor
Auctions & Bids
eBay
Yahoo Auctions
Computers & Internet
Developer.net
Finance
PC.com
Reference
YourDictionary.com
WhitePages.com
Computing
Dictionary
Shopping
1-800-flowers.com
Amazon
Bills Monitor
BellSouth
Due Date Amt. Due
Jun 23 $(171.63)
Sprint PCS
Due Date Amt. Due
March 17, 2001 $(0.00)
The username and/or password you supplied could not access your account. Please check and re-submit.
Total $(171.63)
My Insurance
To add an account to this section please click on the Modify link
Market Monitor
Janus Fund
64
Symbol Price
XOM 107.77.28 -94.22 -0.87%
MOT N/A N/A
REAS -2.33 -6.64%
RUD 0.24 0.57%
COMP -3.71 -1.56%
E 24.58 0.01 0.04%
FOX 37.62 0.11 0.29%
FDX 39.02 -0.44 -1.15%
GLW 16.64 -0.71 -4.09%
GE 58.29 -0.23 -0.39%
IBM 115.34 -1.19 -1.02%
MOT 6.71 -0.53 -7.32%
MSFT 64.40 -0.48 -1.23%
ORCL 15.01 -0.49 -3.16%
PCS 20.95 -0.45 -2.1%
SIFY 3.82 0.02 0.53%
SPX 1231.68 -9.91 -0.8%
T 20.75 -0.21 -1.0%
VOD 23.04 -0.36 -1.54%
WCOM 16.28 -0.46 -2.75%
Quotes are delayed
Enter Quote symbols
GetQuote
Monitor
Airline Monitor
Delta Airlines
Last Updated: Jun 01, 04:00 AM,CST
Hilton Honors
Last Updated: Jun 13, 05:00 AM,EDT
61,885
Marriott Rewards
Last Updated: Jun 04, 05:00 AM,EDT
475,995
Mail Monitor
uMonitor Mail (0 New, 0 Total)
Last Updated: Feb 08, 10:07 AM,CST
Sender Date Subject
Yahoo Mail (13 New, 84 Total)
Last Updated: Jun 14, 10:00 AM,EDT
Sender Date Subject
Admissions May 14 You have been a
Admissions May 30 University Dist
Weather Monitor
Last Updated: Jun 14, 05:30 AM,EDT
City Lo - Hi (Current)
Chicago, IL 70° - 90° F (73°F)
Los Angeles, CA 61° - 84° F (63°F)
Memphis, TN 73° - 91° F (77°F)
New York, NY 68° - 81° F (68°F)
Houston, TX 75° - 90° F (81°F)
Baltimore, MD 70° - 84° F (73°F)
Atlanta, GA 68° - 86° F (72°F)
Enter City or ZIP
GetDetails
Monitor
(eg. 38119 or Memphis or Memphis,TN)
©2001 uMonitor Inc. All Rights Reserved
TRUSTe
VeriSign
About uMonitor | Security & Privacy Policy | Terms of Service | Contact uMonitor

Figure 3

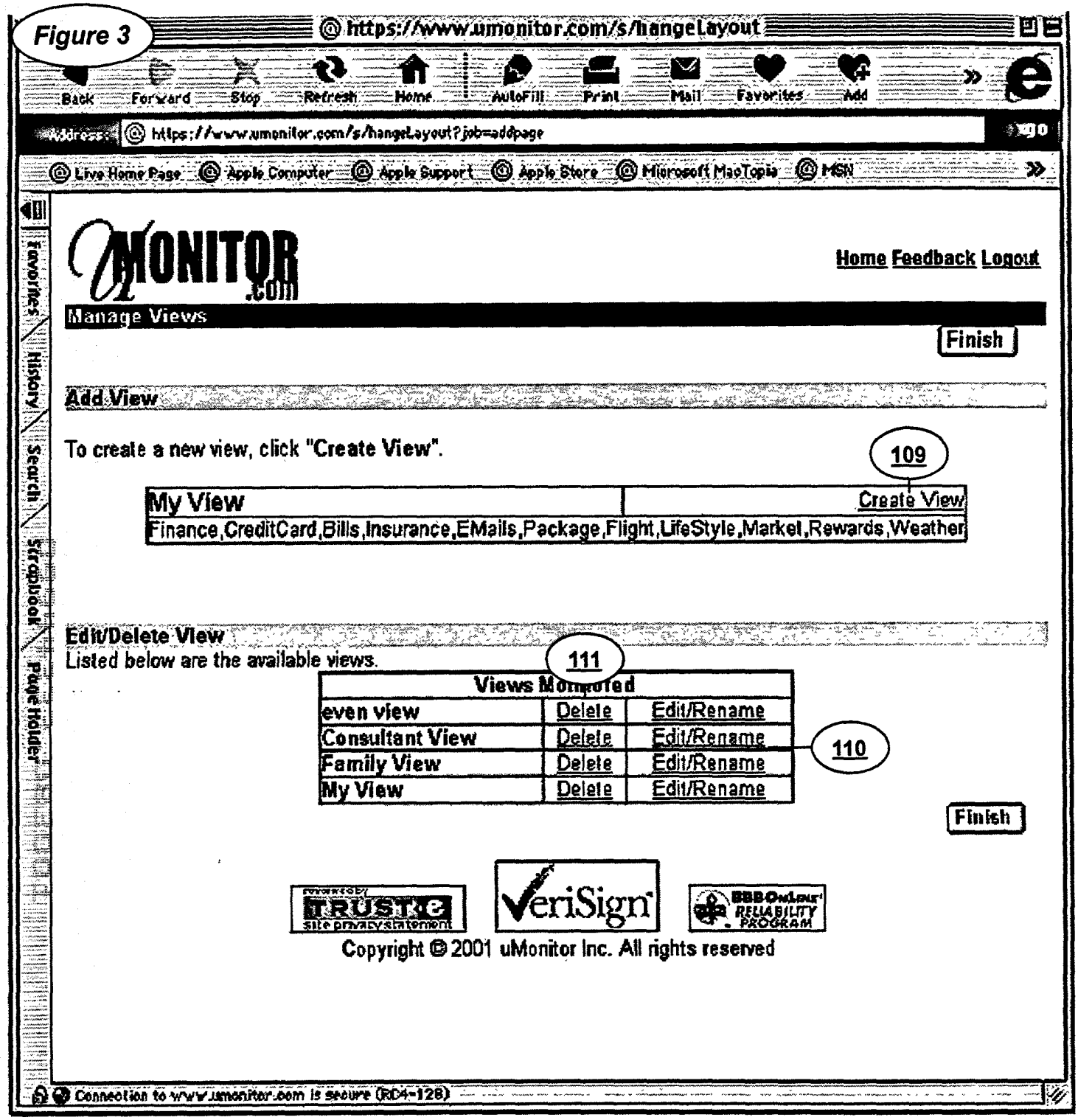
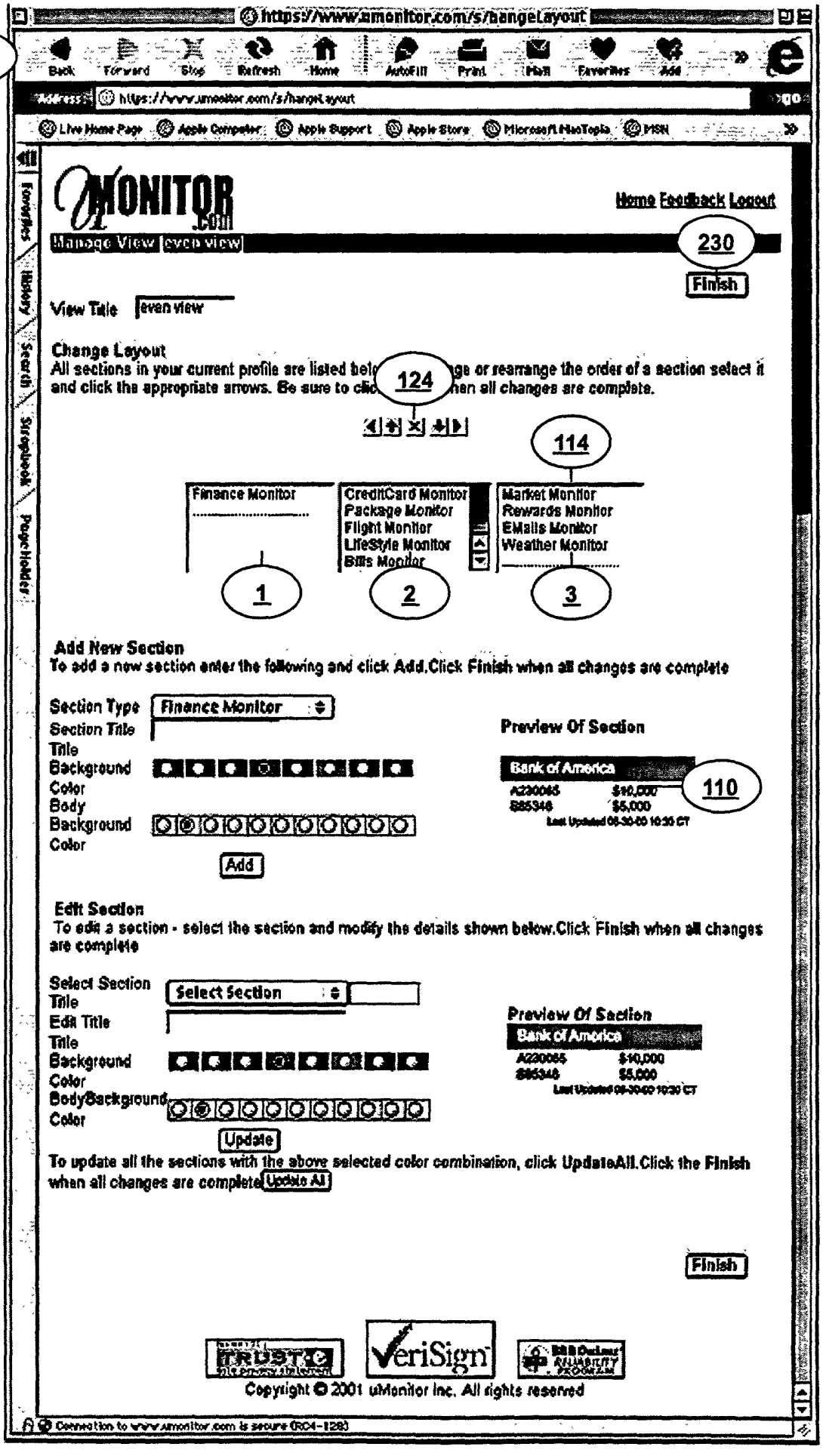

https://www.umonitor.com/s/hangeLayout
Back
Forward
Stop
Refresh
Home
AutoFill
Print
Mail
Favorites
Add
Address
https://www.umonitor.com/s/hangeLayout?job=addpage
Go
Live Home Page
Apple Computer
Apple Support
Apple Store
Microsoft MacTopia
MSN
Favorites
History
Search
Scrapbook
Page Holder
UMONITOR .com
Home Feedback Logout
Manage Views
Finish
Add View
To create a new view, click "Create View".
109
My View
Create View
Finance,CreditCard,Bills,Insurance,EMails,Package,Flight,LifeStyle,Market,Rewards,Weather
Edit/Delete View
Listed below are the available views.
111
Views Monitored
even view
Delete
Edit/Rename
Consultant View
Delete
Edit/Rename
110
Family View
Delete
Edit/Rename
My View
Delete
Edit/Rename
Finish
TRUSTe
site privacy statement
VeriSign
BBBOnLine RELIABILITY PROGRAM
Copyright © 2001 uMonitor Inc. All rights reserved
Connection to www.umonitor.com is secure (RC4-128)

Figure 4



Page 6 of 10 - 20-Jun-2001

Figure 5A

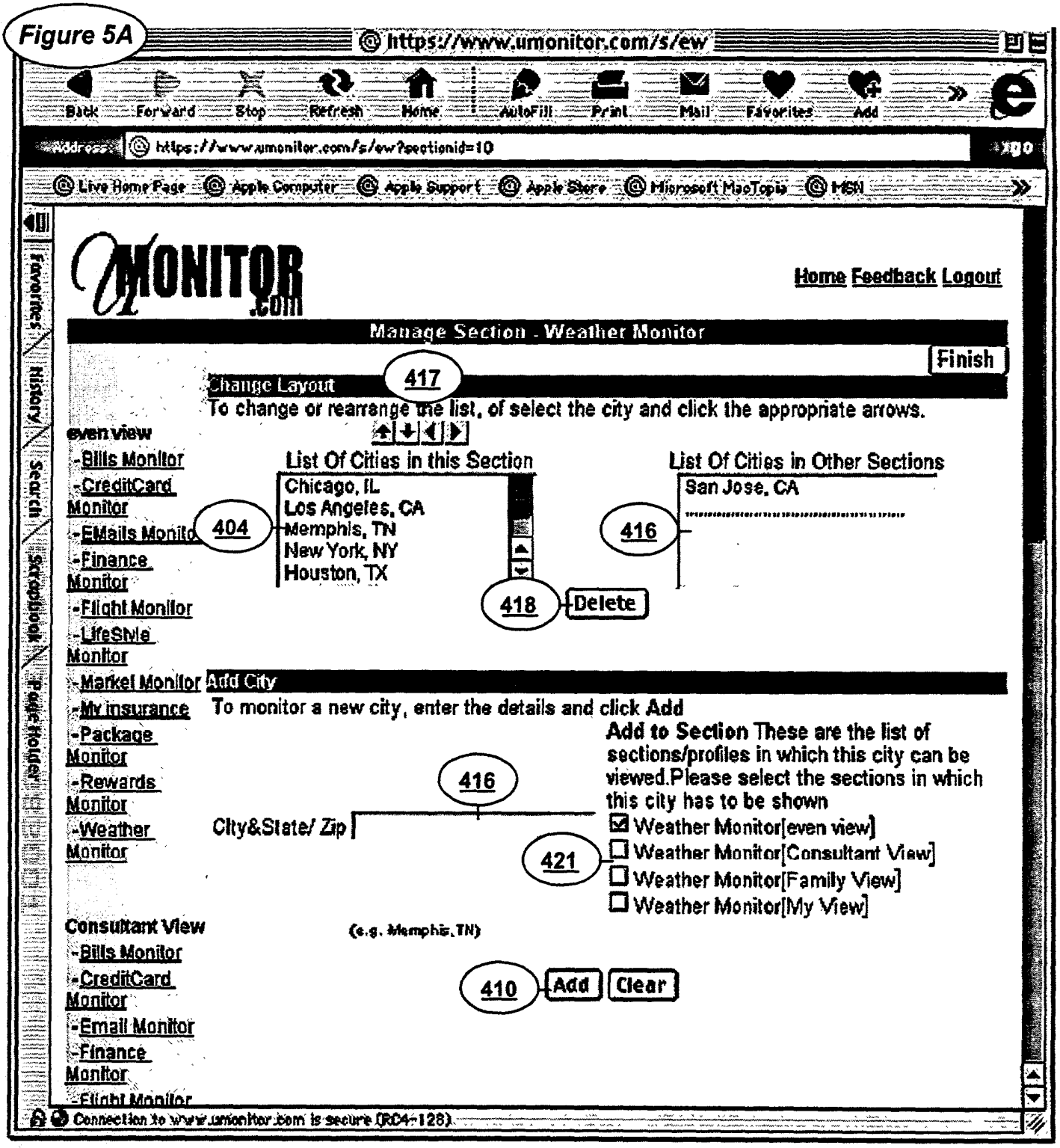

https://www.umonitor.com/s/ew
Back
Forward
Stop
Refresh
Home
AutoFill
Print
Mail
Favorites
Add
https://www.umonitor.com/s/ew?sectionid=10
Live Home Page
Apple Computer
Apple Support
Apple Store
Microsoft MacTopia
MSN
UMONITOR.com
Home Feedback Logout
Manage Section - Weather Monitor
Finish
Change Layout
417
To change or rearrange the list, of select the city and click the appropriate arrows.
even view
-Bills Monitor
-CreditCard Monitor
-EMails Monitor
-Finance Monitor
-Flight Monitor
-LifeStyle Monitor
-Market Monitor
-My insurance
-Package Monitor
-Rewards Monitor
-Weather Monitor
List Of Cities in this Section
Chicago, IL
Los Angeles, CA
Memphis, TN
New York, NY
Houston, TX
404
List Of Cities in Other Sections
San Jose, CA
416
418
Delete
Add City
To monitor a new city, enter the details and click Add
416
City&State/ Zip
(e.g. Memphis,TN)
Add to Section These are the list of sections/profiles in which this city can be viewed.Please select the sections in which this city has to be shown
Weather Monitor[even view]
Weather Monitor[Consultant View]
Weather Monitor[Family View]
Weather Monitor[My View]
421
Consultant View
-Bills Monitor
-CreditCard Monitor
-Email Monitor
-Finance Monitor
-Flight Monitor
410
Add
Clear
Connection to www.umonitor.com is secure (RC4-128)

Figure 5B

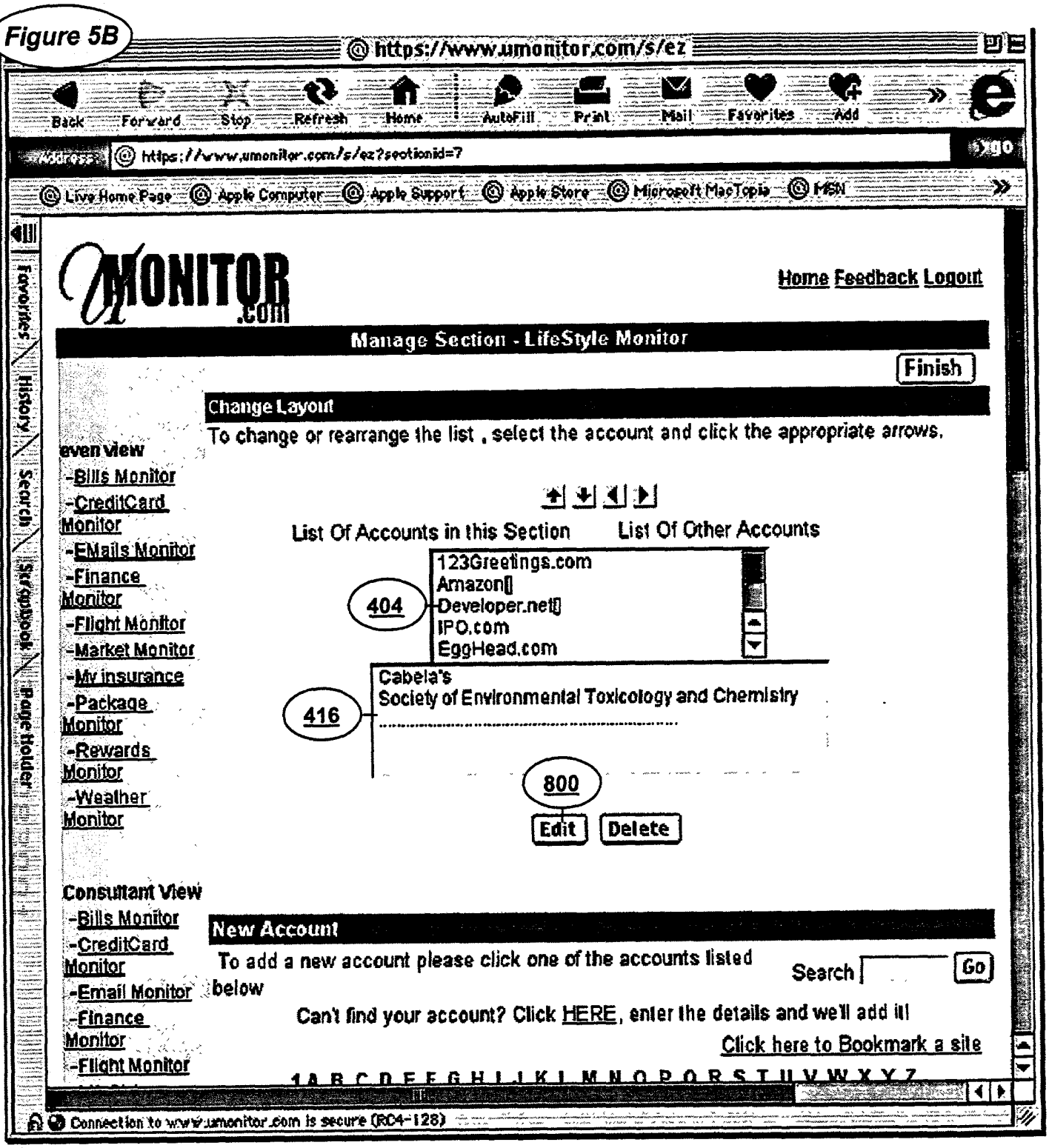

https://www.umonitor.com/s/ez
Back
Forward
Stop
Refresh
Home
AutoFill
Print
Mail
Favorites
Add
Address
https://www.umonitor.com/s/ez?sectionid=7
Go
Live Home Page
Apple Computer
Apple Support
Apple Store
Microsoft MacTopia
MSN
Favorites
History
Search
Scrapbook
Page Holder
UMONITOR .com
Home Feedback Logout
Manage Section - LifeStyle Monitor
Finish
Change Layout
To change or rearrange the list , select the account and click the appropriate arrows.
even view
-Bills Monitor
-CreditCard Monitor
-EMails Monitor
-Finance Monitor
-Flight Monitor
-Market Monitor
-My insurance
-Package Monitor
-Rewards Monitor
-Weather Monitor
List Of Accounts in this Section
List Of Other Accounts
123Greetings.com
Amazon
Developer.net
IPO.com
EggHead.com
404
Cabela's
Society of Environmental Toxicology and Chemistry
416
800
Edit
Delete
Consultant View
-Bills Monitor
-CreditCard Monitor
-Email Monitor
-Finance Monitor
-Flight Monitor
New Account
To add a new account please click one of the accounts listed below
Search
Go
Can't find your account? Click HERE, enter the details and we'll add it!
Click here to Bookmark a site
1 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Connection to www.umonitor.com is secure (RC4-128)

Figure 5C

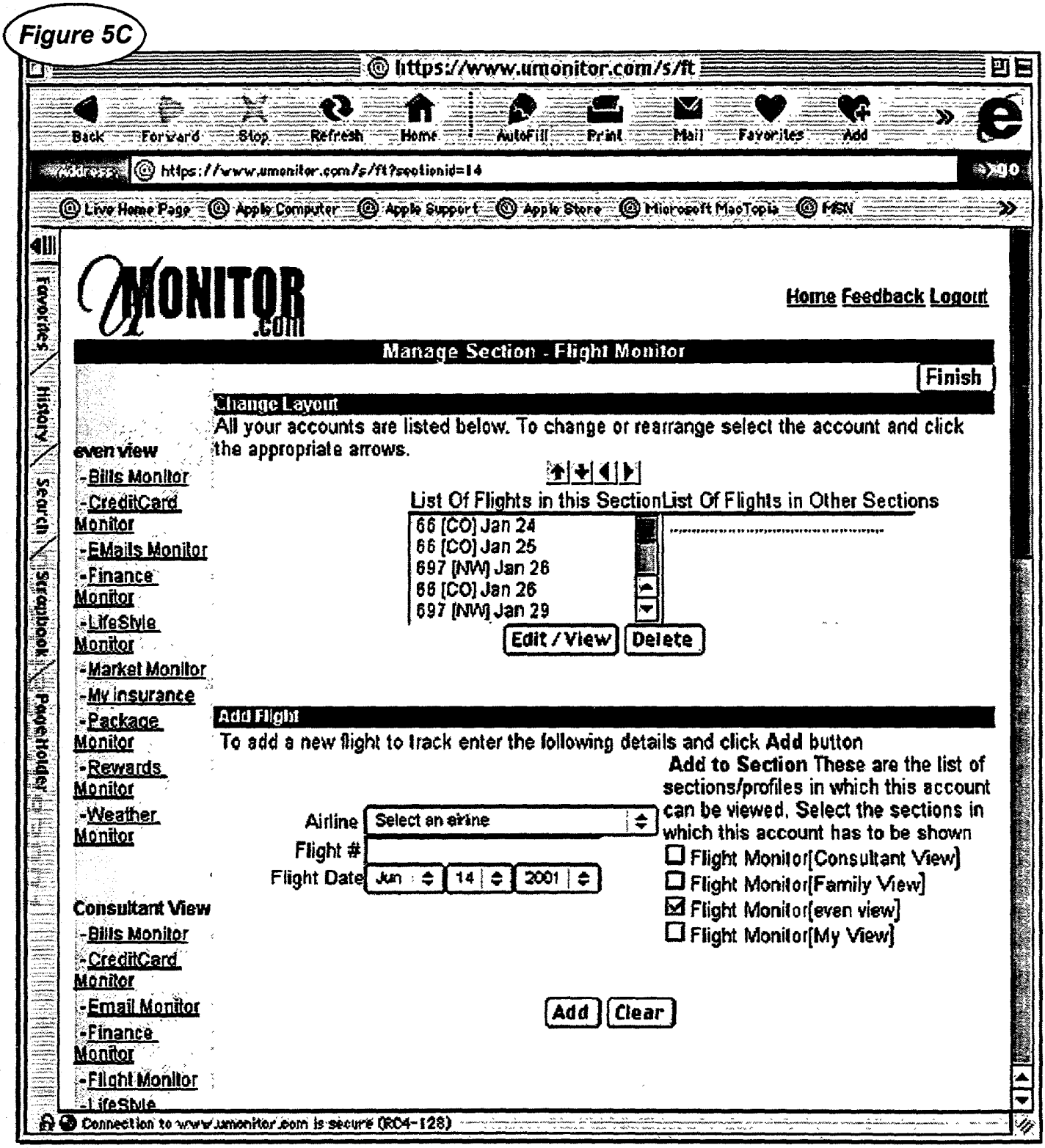

https://www.umonitor.com/s/ft
Back
Forward
Stop
Refresh
Home
AutoFill
Print
Mail
Favorites
Add
https://www.umonitor.com/s/ft?sectionid=14
Go
Live Home Page
Apple Computer
Apple Support
Apple Store
Microsoft MacTopia
MSN
Favorites
History
Search
Scrapbook
Page Holder
UMONITOR .com
Home Feedback Logout
Manage Section - Flight Monitor
Finish
Change Layout
All your accounts are listed below. To change or rearrange select the account and click the appropriate arrows.
even view
-Bills Monitor
-CreditCard Monitor
-EMails Monitor
-Finance Monitor
-LifeStyle Monitor
-Market Monitor
-My Insurance
-Package Monitor
-Rewards Monitor
-Weather Monitor
Consultant View
-Bills Monitor
-CreditCard Monitor
-Email Monitor
-Finance Monitor
-Flight Monitor
-LifeStyle
List Of Flights in this Section
List Of Flights in Other Sections
66 [CO] Jan 24
66 [CO] Jan 25
697 [NW] Jan 26
66 [CO] Jan 26
697 [NW] Jan 29
Edit / View
Delete
Add Flight
To add a new flight to track enter the following details and click Add button
Airline
Select an airline
Flight #
Flight Date
Jun
14
2001
Add to Section These are the list of sections/profiles in which this account can be viewed. Select the sections in which this account has to be shown
Flight Monitor[Consultant View]
Flight Monitor[Family View]
Flight Monitor[even view]
Flight Monitor[My View]
Add
Clear
Connection to www.umonitor.com is secure (RC4-128)

Figure 5D

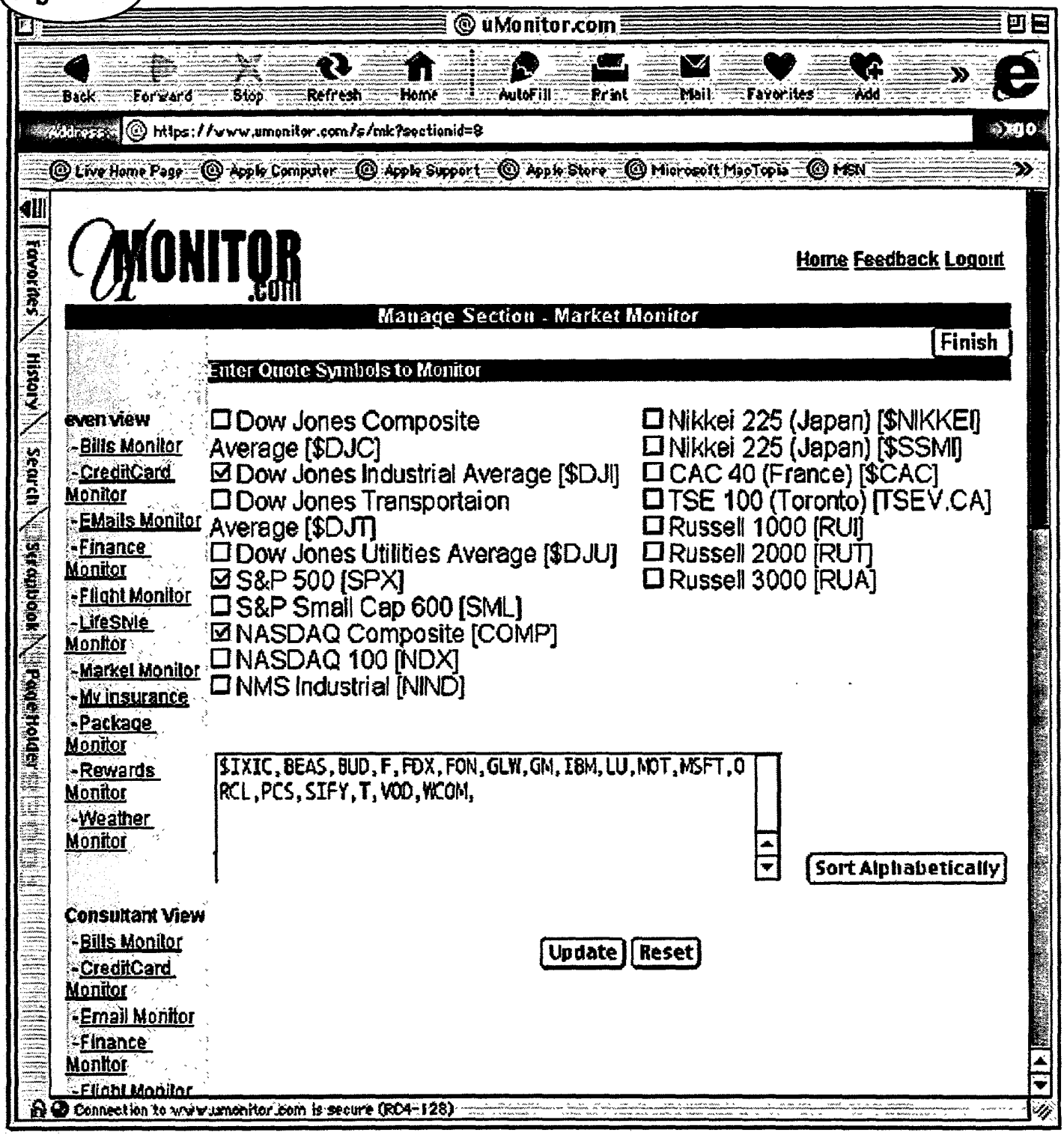

uMonitor.com
Back
Forward
Stop
Refresh
Home
AutoFill
Print
Mail
Favorites
Add
https://www.umonitor.com/s/mk?sectionid=8
Live Home Page
Apple Computer
Apple Support
Apple Store
Microsoft MacTopia
MSN
Favorites
History
Search
Scrapbook
PanelHolder
uMONITOR .com
Home Feedback Logout
Manage Section - Market Monitor
Finish
Enter Quote Symbols to Monitor
even view
-Bills Monitor
-CreditCard Monitor
-EMails Monitor
-Finance Monitor
-Flight Monitor
-LifeStyle Monitor
-Market Monitor
-My insurance
-Package Monitor
-Rewards Monitor
-Weather Monitor
Dow Jones Composite Average [$DJC]
Dow Jones Industrial Average [$DJI]
Dow Jones Transportaion Average [$DJT]
Dow Jones Utilities Average [$DJU]
S&P 500 [SPX]
S&P Small Cap 600 [SML]
NASDAQ Composite [COMP]
NASDAQ 100 [NDX]
NMS Industrial [NIND]
Nikkei 225 (Japan) [$NIKKEI]
Nikkei 225 (Japan) [$SSMI]
CAC 40 (France) [$CAC]
TSE 100 (Toronto) [TSEV.CA]
Russell 1000 [RUI]
Russell 2000 [RUT]
Russell 3000 [RUA]
$IXIC,BEAS,BUD,F,FDX,FON,GLW,GM,IBM,LU,MOT,MSFT,ORCL,PCS,SIFY,T,VOD,WCOM,
Sort Alphabetically
Consultant View
-Bills Monitor
-CreditCard Monitor
-Email Monitor
-Finance Monitor
-Flight Monitor
Update
Reset
Connection to www.umonitor.com is secure (RC4-128)

Figure 5E

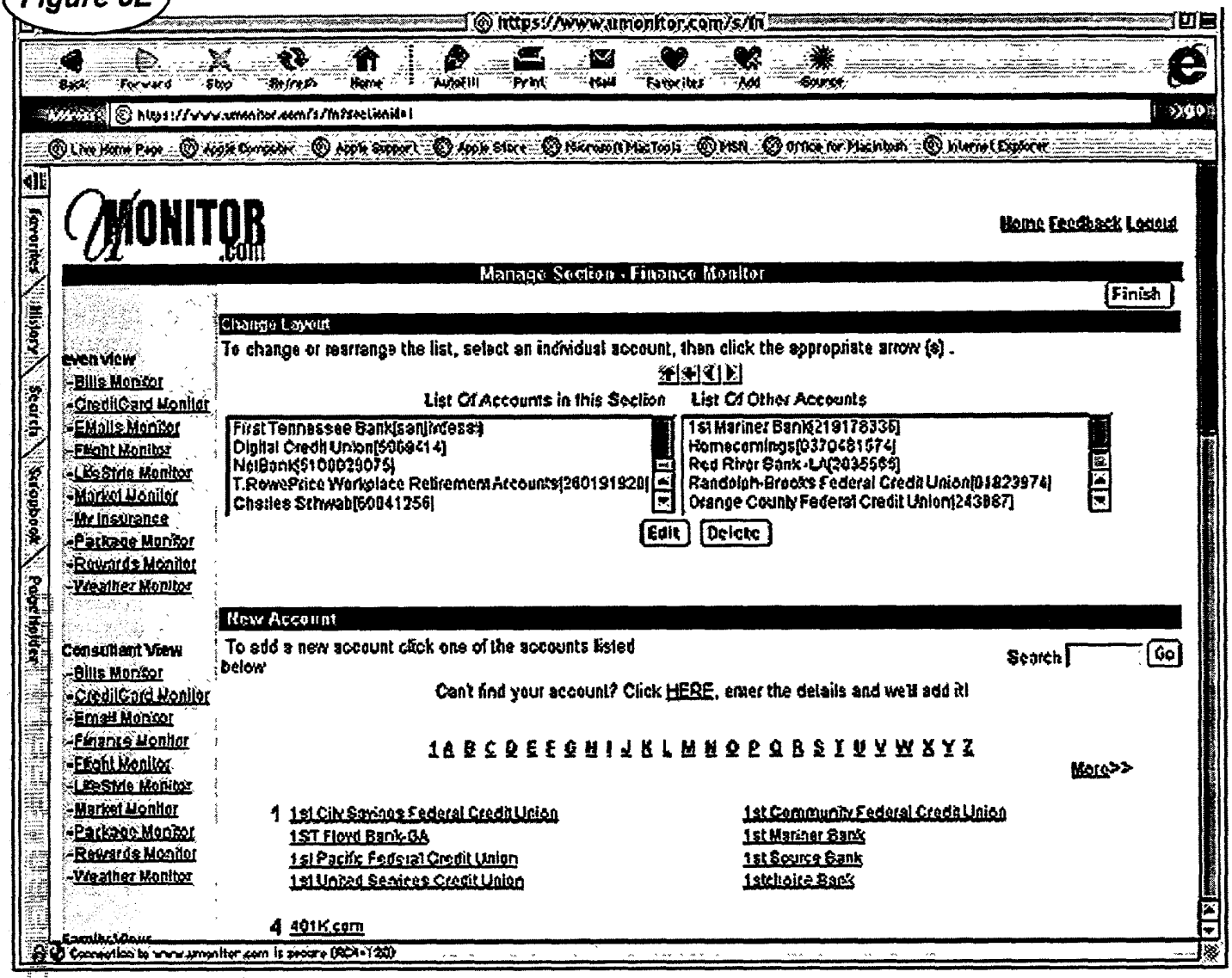

https://www.ymonitor.com/s/th
MONITOR .com
Home Feedback Logout
Manage Section - Finance Monitor
Finish
Change Layout
To change or rearrange the list, select an individual account, then click the appropriate arrow (s) .
List Of Accounts in this Section
List Of Other Accounts
First Tennessee Bank[sanjindess]
Digital Credit Union[5009414]
NetBank[5100029075]
T.RowePrice Workplace Retirement Accounts[260191920]
Charles Schwab[50041256]
1st Mariner Bank[219178335]
Homecomings[0370681574]
Red River Bank-LA[2035565]
Randolph-Brooks Federal Credit Union[01823974]
Orange County Federal Credit Union[243987]
Edit
Delete
Even View
-Bills Monitor
-CreditCard Monitor
-EMails Monitor
-Flight Monitor
-LifeStyle Monitor
-Market Monitor
-My Insurance
-Package Monitor
-Rewards Monitor
-Weather Monitor
Consultant View
-Bills Monitor
-CreditCard Monitor
-Email Monitor
-Finance Monitor
-Flight Monitor
-LifeStyle Monitor
-Market Monitor
-Package Monitor
-Rewards Monitor
-Weather Monitor
New Account
To add a new account click one of the accounts listed below
Search
Go
Can't find your account? Click HERE, enter the details and we'll add it!
1 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
More>>
1 1st City Savings Federal Credit Union
1ST Floyd Bank-GA
1st Pacific Federal Credit Union
1st United Services Credit Union
1st Community Federal Credit Union
1st Mariner Bank
1st Source Bank
1stchoice Bank
4 401K.com
Favorites
History
Search
Scrapbook
Page Holder

Figure 5F

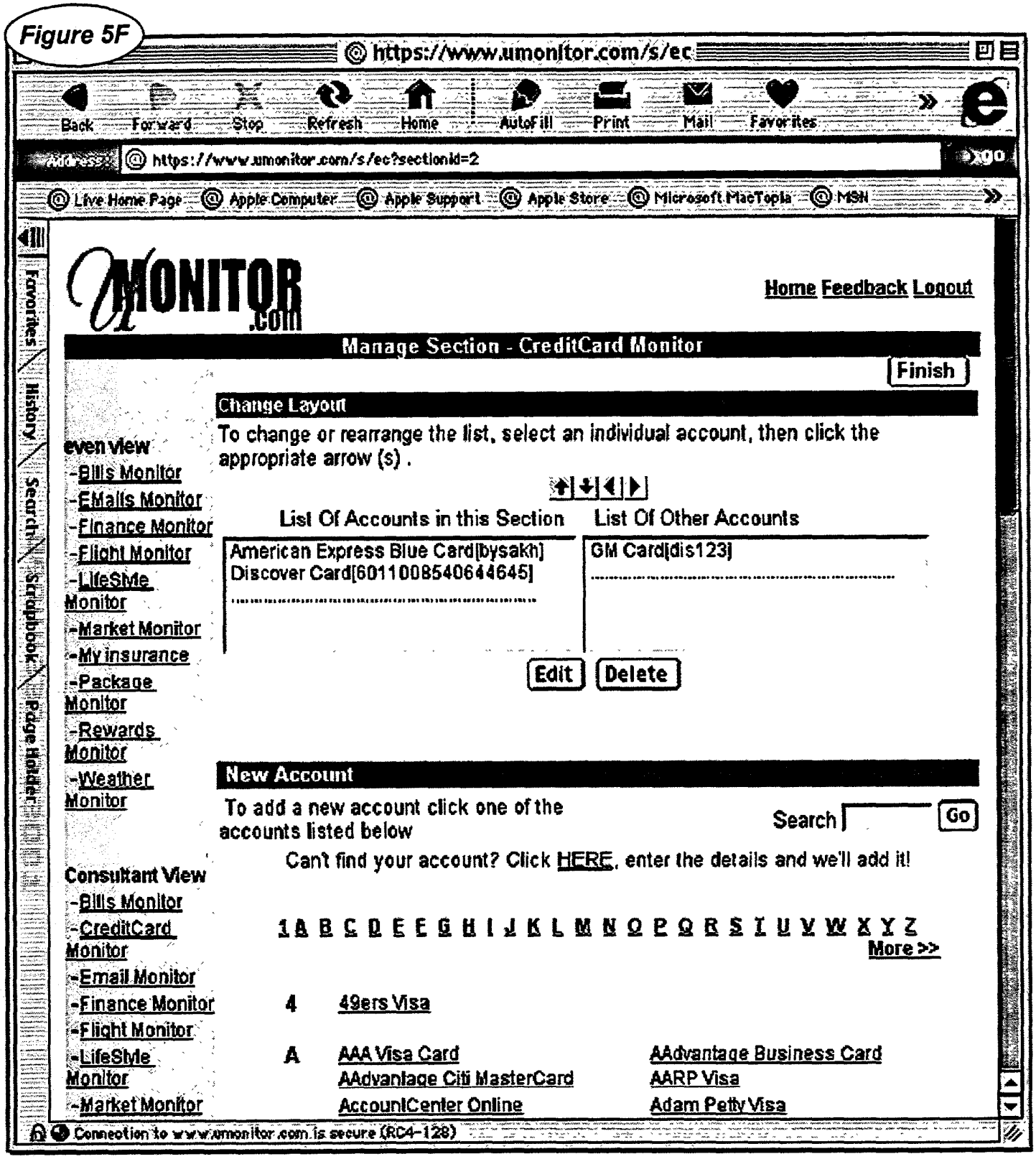

https://www.umonitor.com/s/ec
Back
Forward
Stop
Refresh
Home
AutoFill
Print
Mail
Favorites
Address
https://www.umonitor.com/s/ec?sectionId=2
Go
Live Home Page
Apple Computer
Apple Support
Apple Store
Microsoft MacTopia
MSN
Favorites
History
Search
Scrapbook
Page Holder
UMONITOR .com
Home Feedback Logout
Manage Section - CreditCard Monitor
Finish
Change Layout
To change or rearrange the list, select an individual account, then click the appropriate arrow (s) .
List Of Accounts in this Section
List Of Other Accounts
American Express Blue Card[bysakh]
Discover Card[6011008540644645]
GM Card[dis123]
Edit
Delete
New Account
To add a new account click one of the accounts listed below
Search
Go
Can't find your account? Click HERE, enter the details and we'll add it!
1 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
More >>
4 49ers Visa
A AAA Visa Card
AAdvantage Business Card
AAdvantage Citi MasterCard
AARP Visa
AccountCenter Online
Adam Petty Visa
even view
-Bills Monitor
-EMails Monitor
-Finance Monitor
-Flight Monitor
-LifeStyle Monitor
-Market Monitor
-My insurance
-Package Monitor
-Rewards Monitor
-Weather Monitor
Consultant View
-Bills Monitor
-CreditCard Monitor
-Email Monitor
-Finance Monitor
-Flight Monitor
-LifeStyle Monitor
-Market Monitor
Connection to www.umonitor.com is secure (RC4-128)

Figure 5G

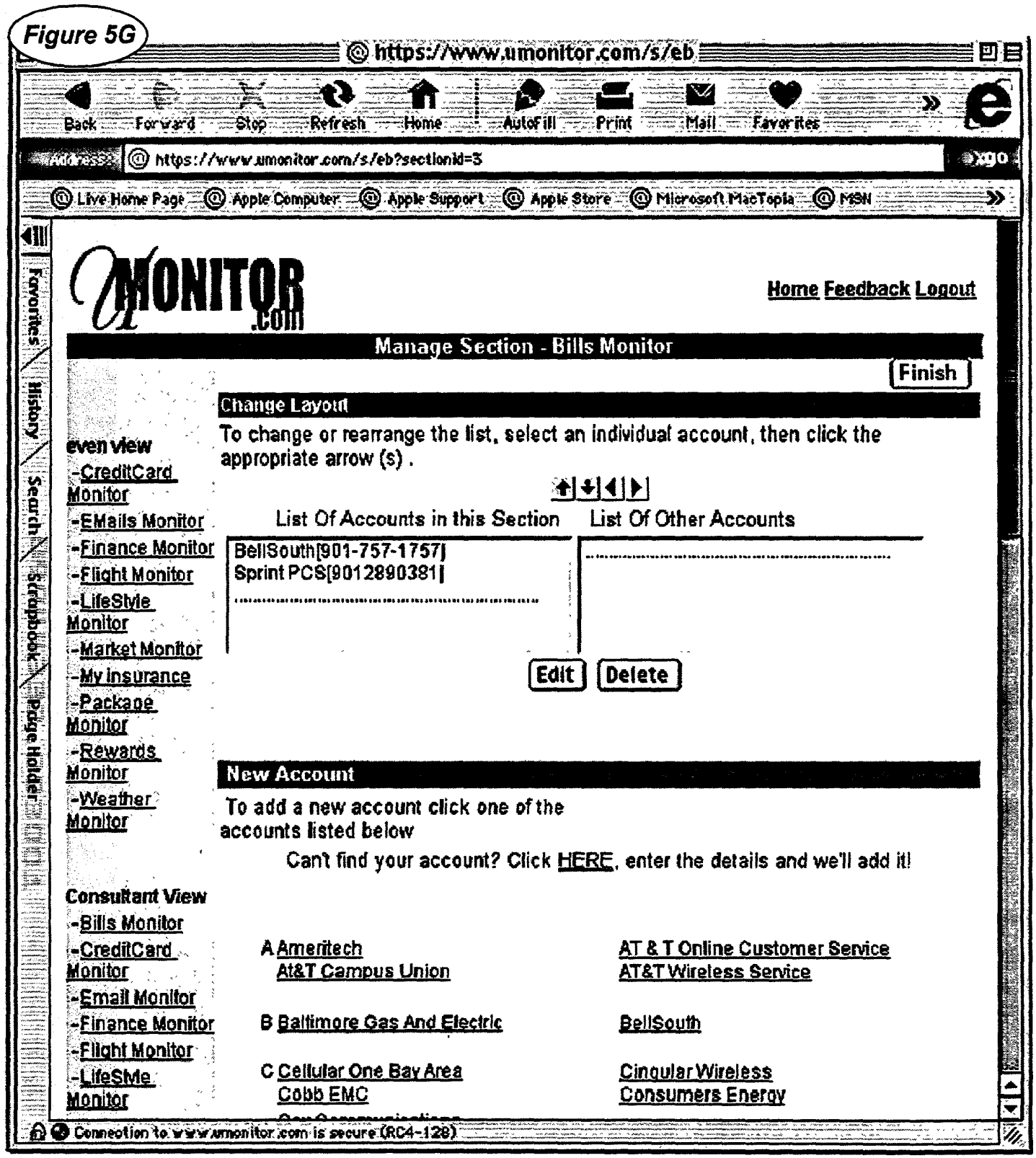

https://www.umonitor.com/s/eb
Back
Forward
Stop
Refresh
Home
AutoFill
Print
Mail
Favorites
Address
https://www.umonitor.com/s/eb?sectionId=3
Go
Live Home Page
Apple Computer
Apple Support
Apple Store
Microsoft MacTopia
MSN
Favorites
History
Search
Scrapbook
Page Holder
UMONITOR .com
Home Feedback Logout
Manage Section - Bills Monitor
Finish
Change Layout
To change or rearrange the list, select an individual account, then click the appropriate arrow (s) .
List Of Accounts in this Section
List Of Other Accounts
BellSouth[901-757-1757]
Sprint PCS[9012890381]
Edit
Delete
New Account
To add a new account click one of the accounts listed below
Can't find your account? Click HERE, enter the details and we'll add it!
even view
-CreditCard Monitor
-EMails Monitor
-Finance Monitor
-Flight Monitor
-LifeStyle Monitor
-Market Monitor
-My insurance
-Package Monitor
-Rewards Monitor
-Weather Monitor
Consultant View
-Bills Monitor
-CreditCard Monitor
-Email Monitor
-Finance Monitor
-Flight Monitor
-LifeStyle Monitor
A Ameritech
At&T Campus Union
B Baltimore Gas And Electric
C Cellular One Bay Area
Cobb EMC
AT & T Online Customer Service
AT&T Wireless Service
BellSouth
Cingular Wireless
Consumers Energy
Connection to www.umonitor.com is secure (RC4-128)

Figure 5H

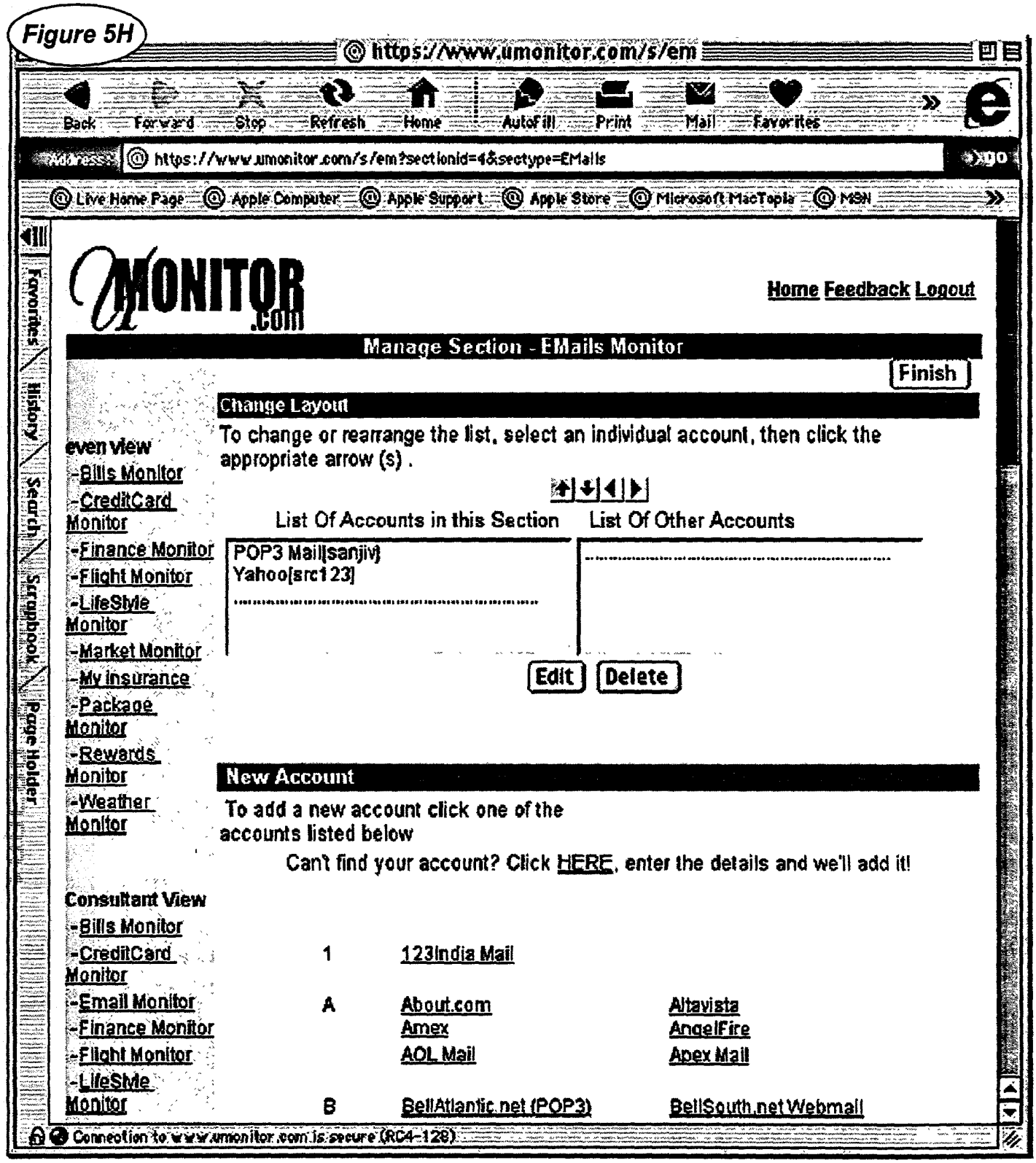

https://www.umonitor.com/s/em
Back
Forward
Stop
Refresh
Home
AutoFill
Print
Mail
Favorites
Address
https://www.umonitor.com/s/em?sectionid=4&sectype=EMails
go
Live Home Page
Apple Computer
Apple Support
Apple Store
Microsoft MacTopia
MSN
Favorites
History
Search
Scrapbook
Page Holder
UMONITOR.com
Home Feedback Logout
Manage Section - EMails Monitor
Finish
even view
-Bills Monitor
-CreditCard Monitor
-Finance Monitor
-Flight Monitor
-LifeStyle Monitor
-Market Monitor
-My insurance
-Package Monitor
-Rewards Monitor
-Weather Monitor
Consultant View
-Bills Monitor
-CreditCard Monitor
-Email Monitor
-Finance Monitor
-Flight Monitor
-LifeStyle Monitor
Change Layout
To change or rearrange the list, select an individual account, then click the appropriate arrow (s) .
List Of Accounts in this Section
List Of Other Accounts
POP3 Mail[sanjiv]
Yahoo[src123]
Edit
Delete
New Account
To add a new account click one of the accounts listed below
Can't find your account? Click HERE, enter the details and we'll add it!
1
123India Mail
A
About.com
Altavista
Amex
AngelFire
AOL Mail
Apex Mail
B
BellAtlantic.net (POP3)
BellSouth.net Webmail
Connection to www.umonitor.com is secure (RC4-128)

Figure 5I

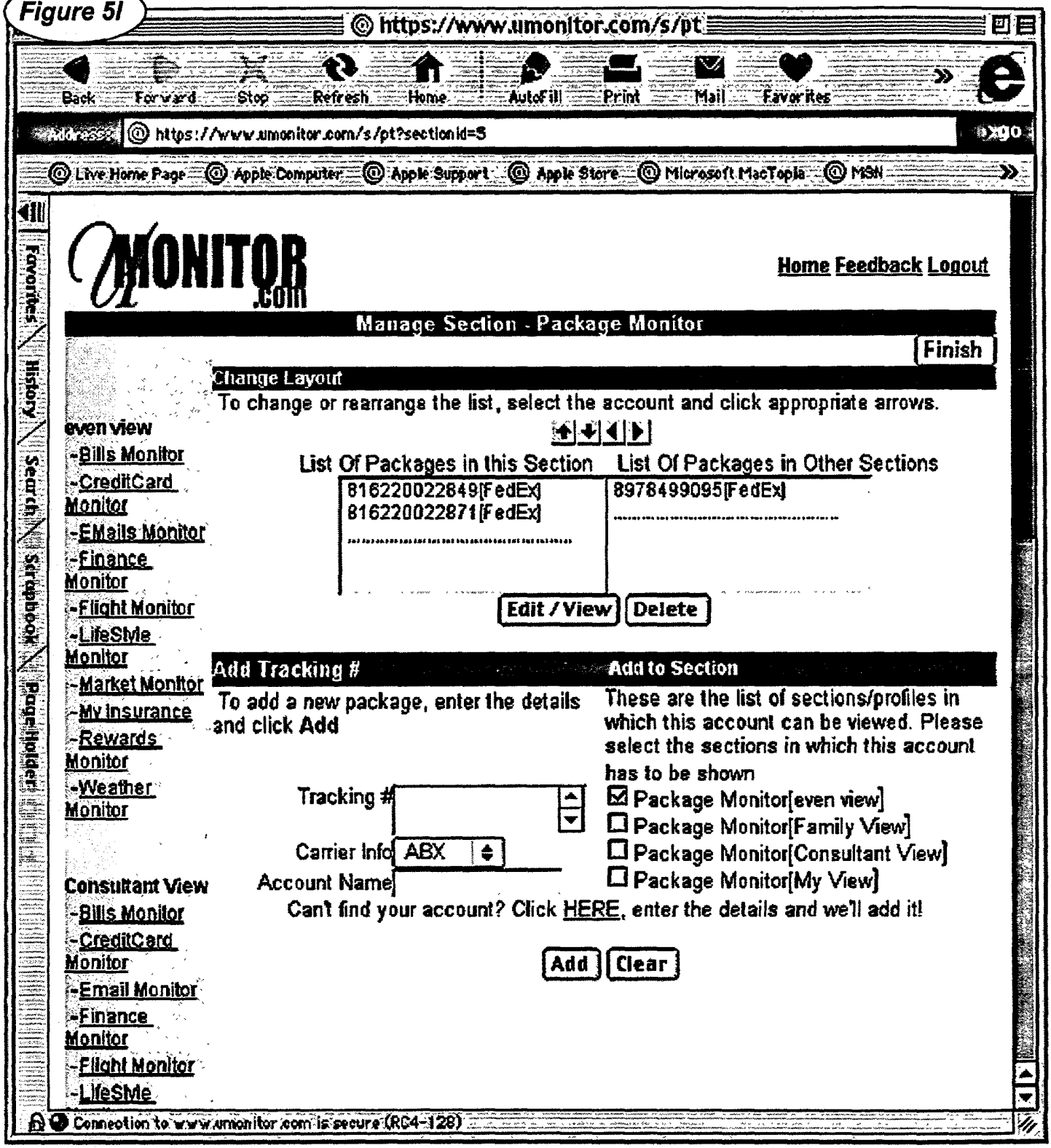
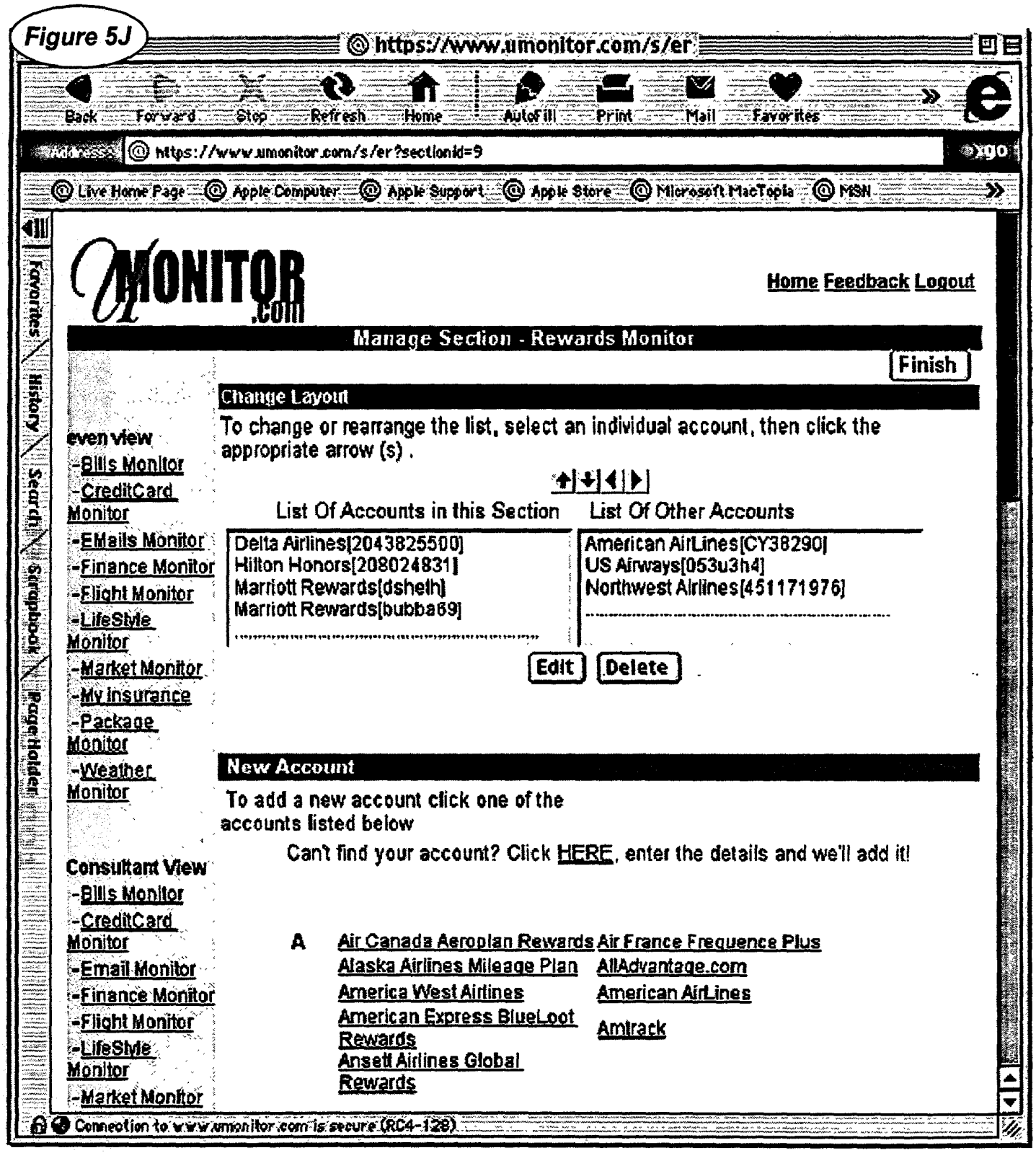
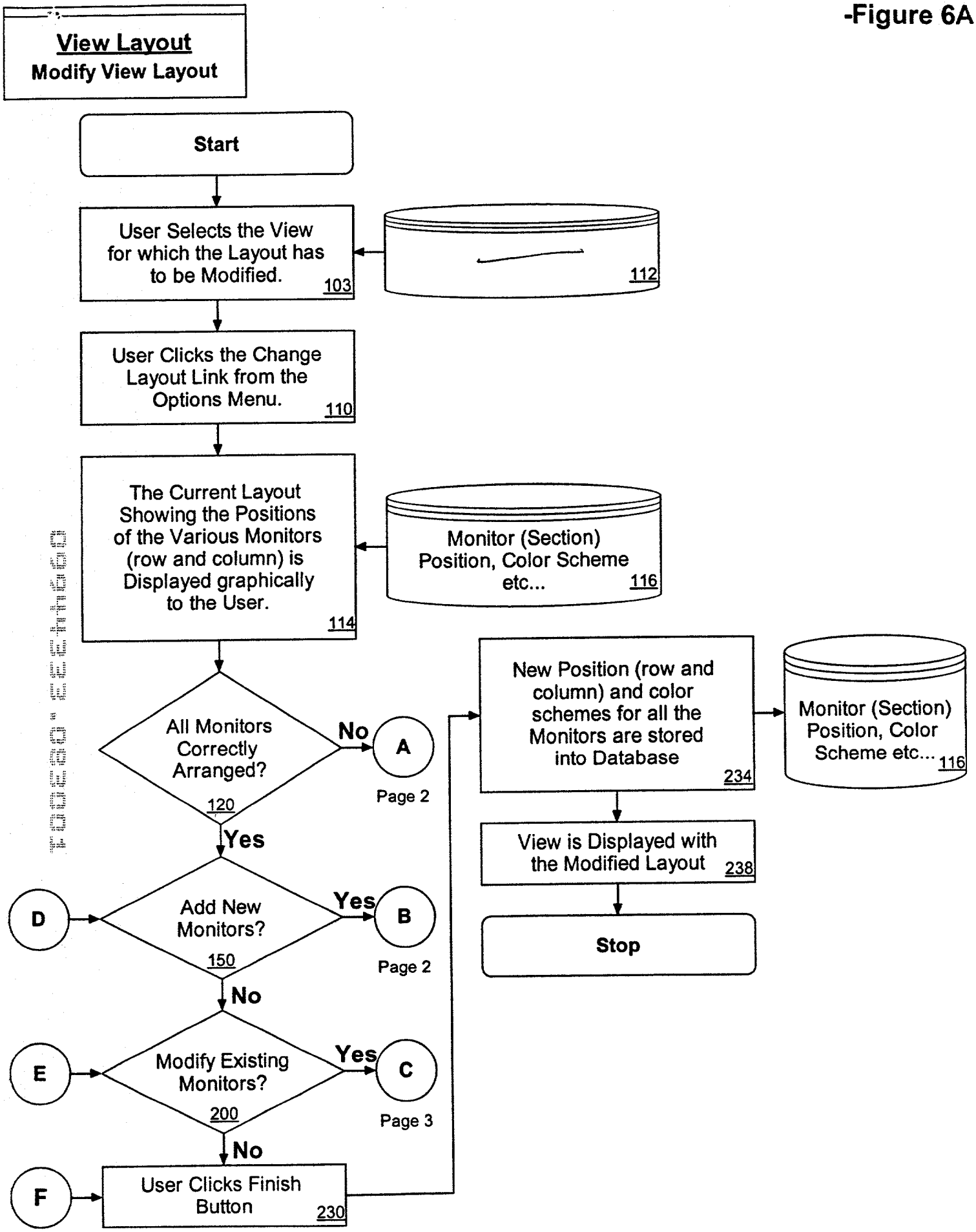

https://www.umonitor.com/s/pt
Back
Forward
Stop
Refresh
Home
AutoFill
Print
Mail
Favorites
https://www.umonitor.com/s/pt?sectionid=3
Go
Live Home Page
Apple Computer
Apple Support
Apple Store
Microsoft MacTopia
MSN
Favorites
History
Search
Scrapbook
PageHolder
UMONITOR .com
Home Feedback Logout
Manage Section - Package Monitor
Finish
Change Layout
To change or rearrange the list, select the account and click appropriate arrows.
even view
-Bills Monitor
-CreditCard Monitor
-EMails Monitor
-Finance Monitor
-Flight Monitor
-LifeStyle Monitor
-Market Monitor
-My Insurance
-Rewards Monitor
-Weather Monitor
Consultant View
-Bills Monitor
-CreditCard Monitor
-Email Monitor
-Finance Monitor
-Flight Monitor
-LifeStyle
List Of Packages in this Section
816220022849[FedEx]
816220022871[FedEx]
List Of Packages in Other Sections
8978499095[FedEx]
Edit / View
Delete
Add Tracking #
To add a new package, enter the details and click Add
Tracking #
Carrier Info
ABX
Account Name
Can't find your account? Click HERE, enter the details and we'll add it!
Add
Clear
Add to Section
These are the list of sections/profiles in which this account can be viewed. Please select the sections in which this account has to be shown
Package Monitor[even view]
Package Monitor[Family View]
Package Monitor[Consultant View]
Package Monitor[My View]
Connection to www.umonitor.com is secure (RC4-128)

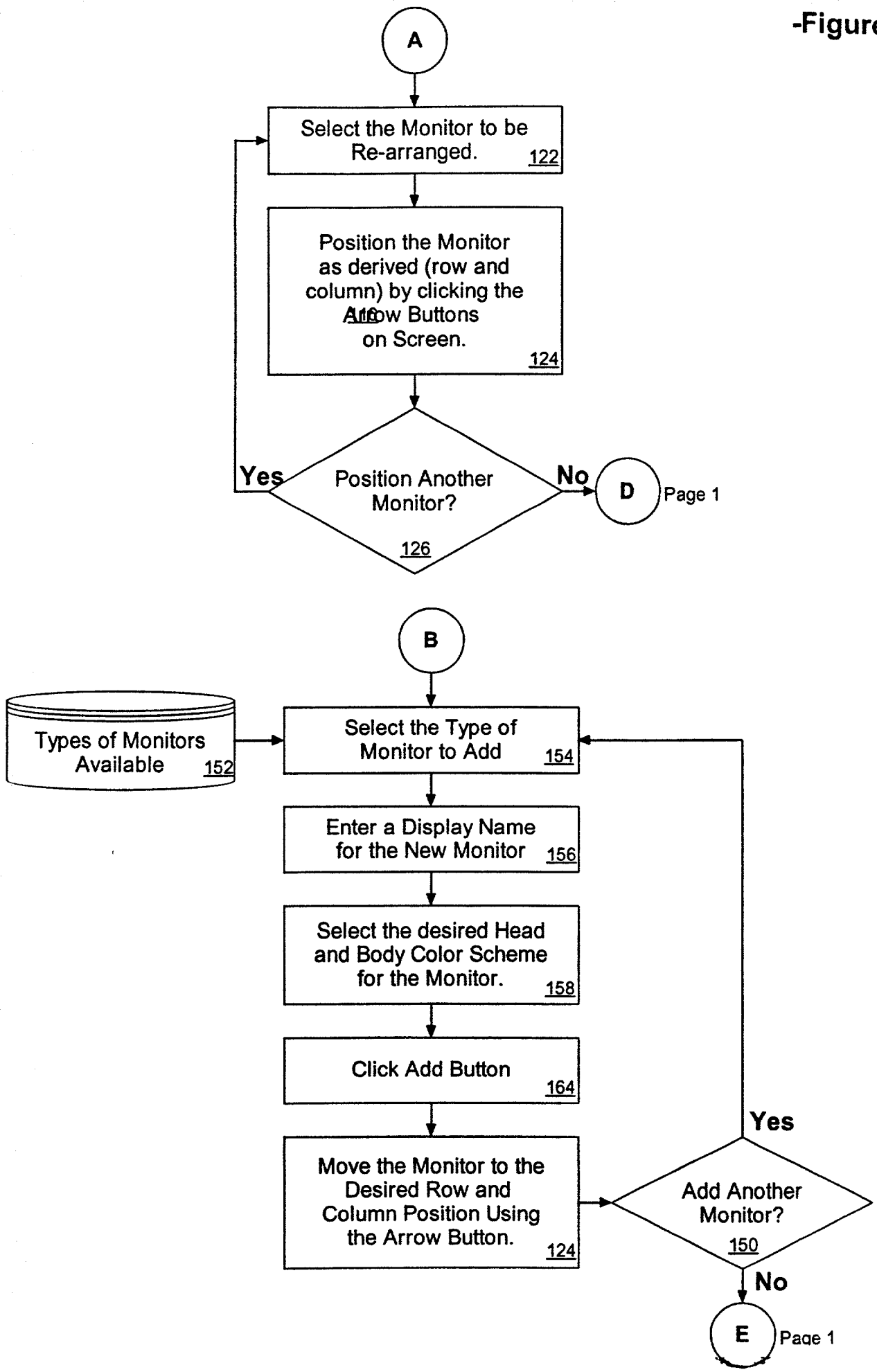
Figure 5J


https://www.umonitor.com/s/er
Back
Forward
Stop
Refresh
Home
AutoFill
Print
Mail
Favorites
Address
https://www.umonitor.com/s/er?sectionid=9
Go
Live Home Page
Apple Computer
Apple Support
Apple Store
Microsoft MacTopia
MSN
Favorites
History
Search
Scrapbook
PageHolder
UMONITOR.com
Home Feedback Logout
Manage Section - Rewards Monitor
Finish
even view
-Bills Monitor
-CreditCard Monitor
-EMails Monitor
-Finance Monitor
-Flight Monitor
-LifeStyle Monitor
-Market Monitor
-My Insurance
-Package Monitor
-Weather Monitor
Consultant View
-Bills Monitor
-CreditCard Monitor
-Email Monitor
-Finance Monitor
-Flight Monitor
-LifeStyle Monitor
-Market Monitor
Change Layout
To change or rearrange the list, select an individual account, then click the appropriate arrow (s).
List Of Accounts in this Section
List Of Other Accounts
Delta Airlines[2043825500]
Hilton Honors[208024831]
Marriott Rewards[dsheth]
Marriott Rewards[bubba69]
American AirLines[CY38290]
US Airways[053u3h4]
Northwest Airlines[451171976]
Edit
Delete
New Account
To add a new account click one of the accounts listed below
Can't find your account? Click HERE, enter the details and we'll add it!
A
Air Canada Aeroplan Rewards
Air France Frequence Plus
Alaska Airlines Mileage Plan
AllAdvantage.com
America West Airlines
American AirLines
American Express BlueLoot Rewards
Amtrack
Ansett Airlines Global Rewards
Connection to www.umonitor.com is secure (RC4-128)

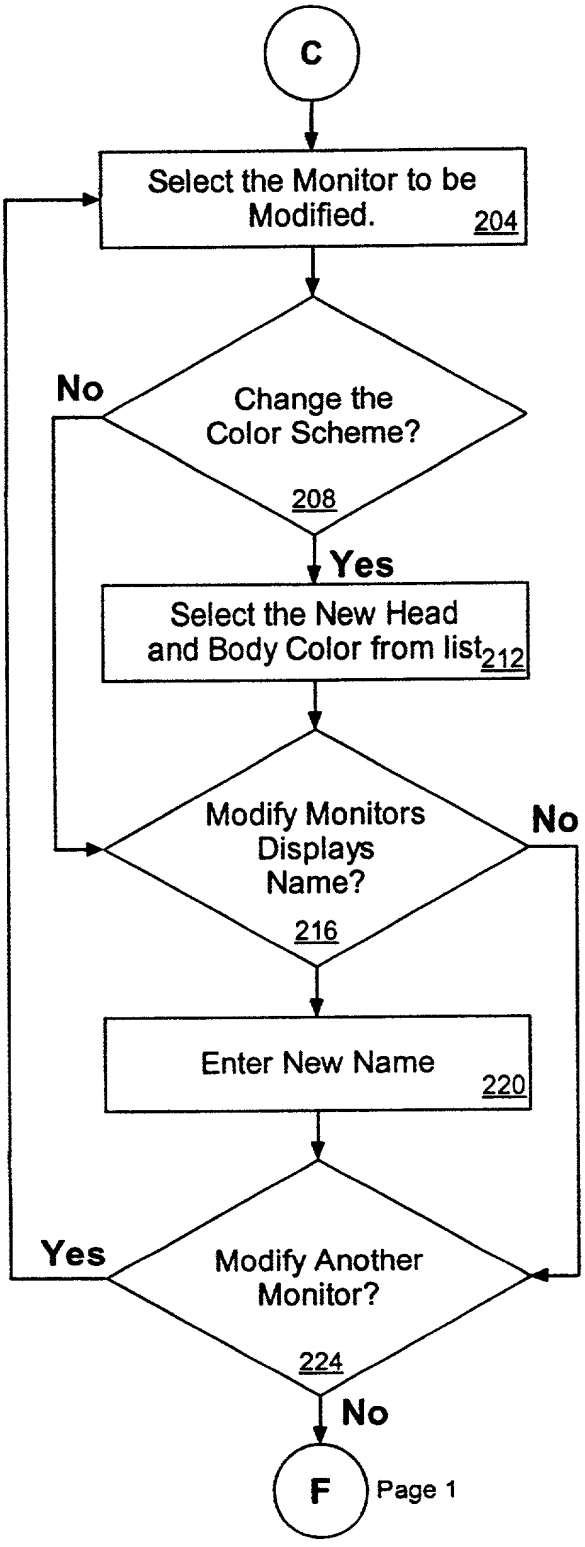
-Figure 6A


View Layout
Modify View Layout
Start
User Selects the View for which the Layout has to be Modified.
103
112
User Clicks the Change Layout Link from the Options Menu.
110
The Current Layout Showing the Positions of the Various Monitors (row and column) is Displayed graphically to the User.
114
Monitor (Section) Position, Color Scheme etc...
116
All Monitors Correctly Arranged?
120
No
A
Page 2
Yes
Add New Monitors?
150
Yes
B
Page 2
D
No
Modify Existing Monitors?
200
Yes
C
Page 3
E
No
User Clicks Finish Button
230
F
New Position (row and column) and color schemes for all the Monitors are stored into Database
234
Monitor (Section) Position, Color Scheme etc...
116
View is Displayed with the Modified Layout
238
Stop

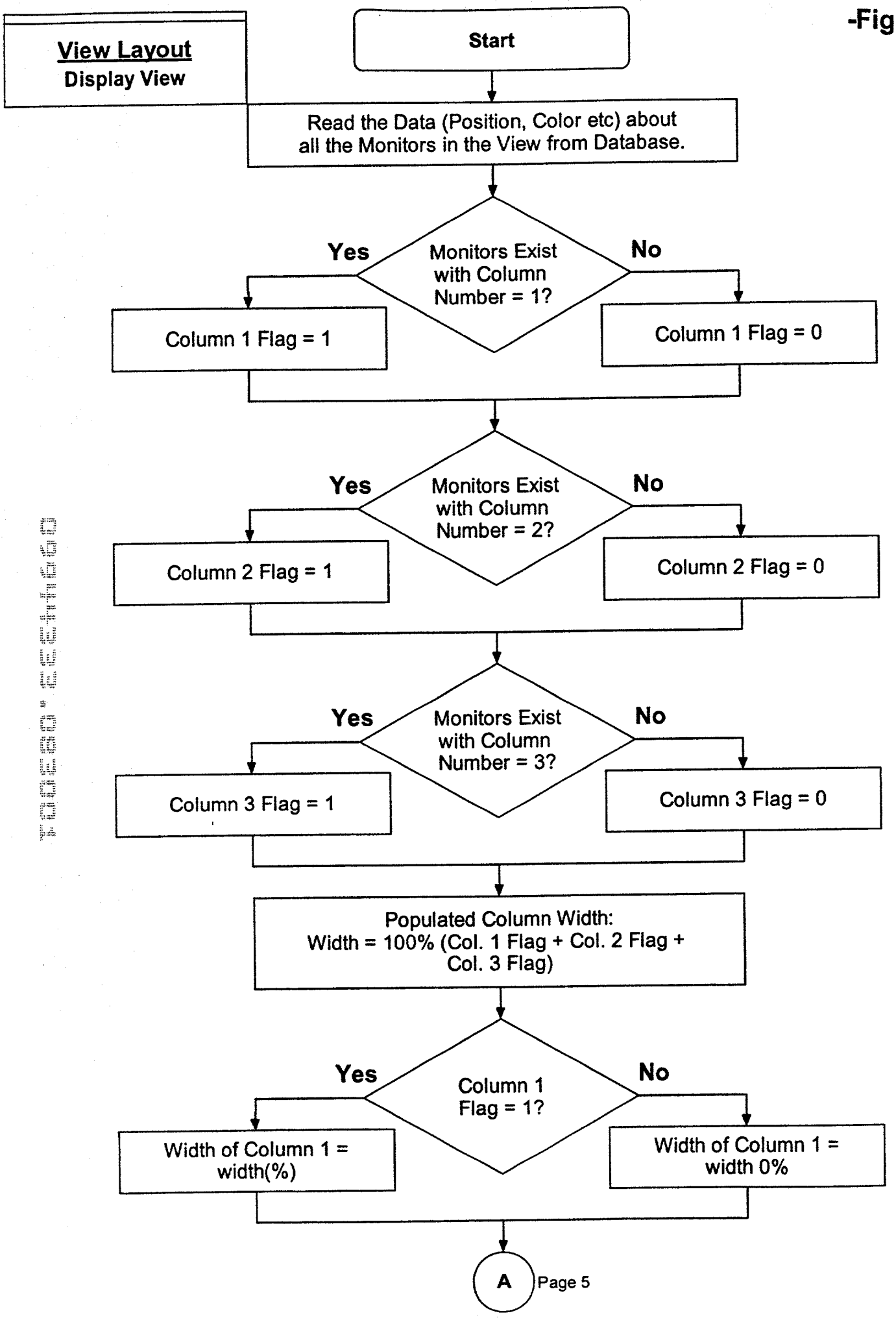
-Figure 6B


A
Select the Monitor to be Re-arranged. 122
Position the Monitor as derived (row and column) by clicking the Arrow Buttons on Screen. 124
Yes
Position Another Monitor? 126
No
D
Page 1
B
Types of Monitors Available 152
Select the Type of Monitor to Add 154
Enter a Display Name for the New Monitor 156
Select the desired Head and Body Color Scheme for the Monitor. 158
Click Add Button 164
Move the Monitor to the Desired Row and Column Position Using the Arrow Button. 124
Add Another Monitor? 150
Yes
No
E
Page 1

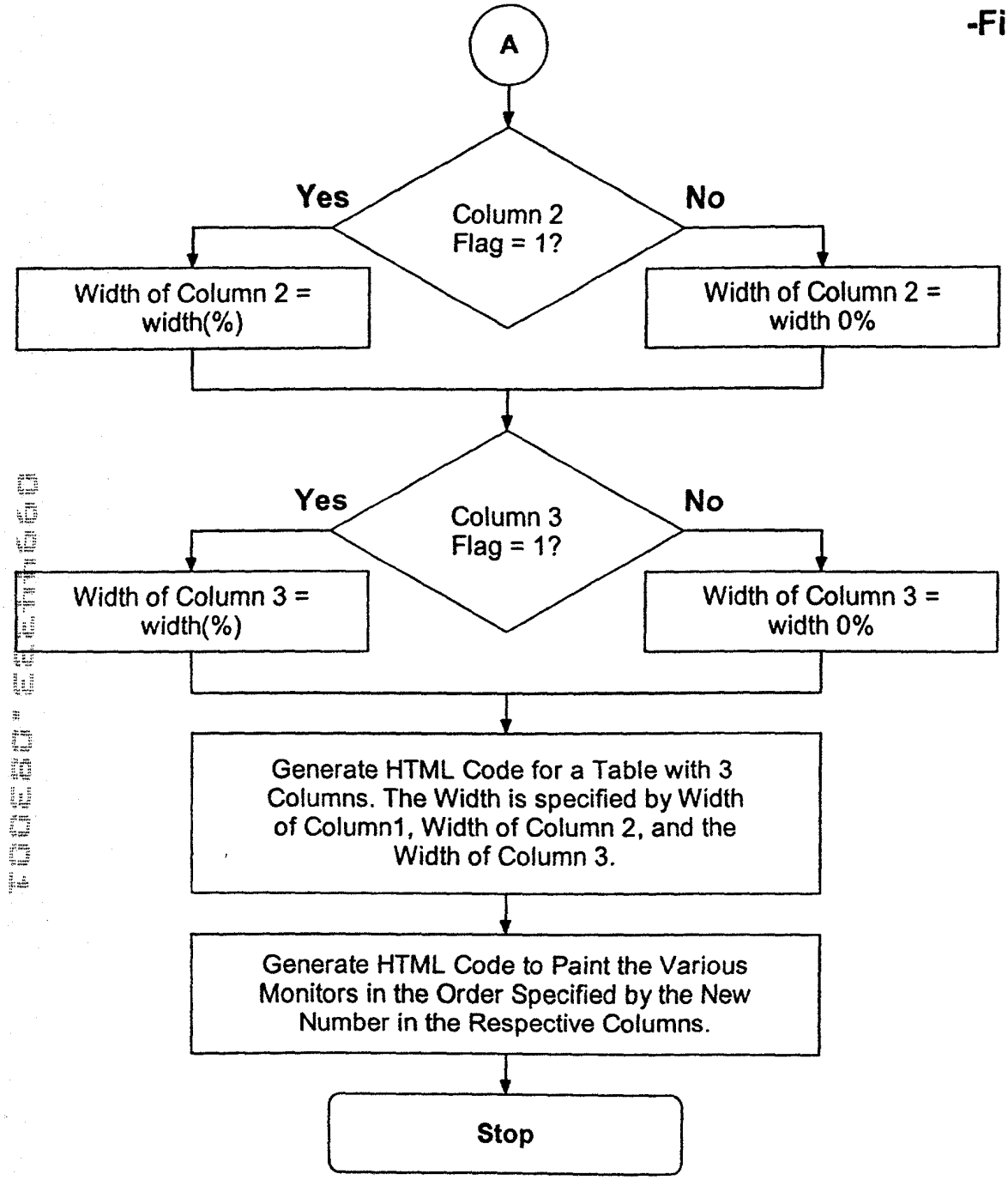
-Figure 6C

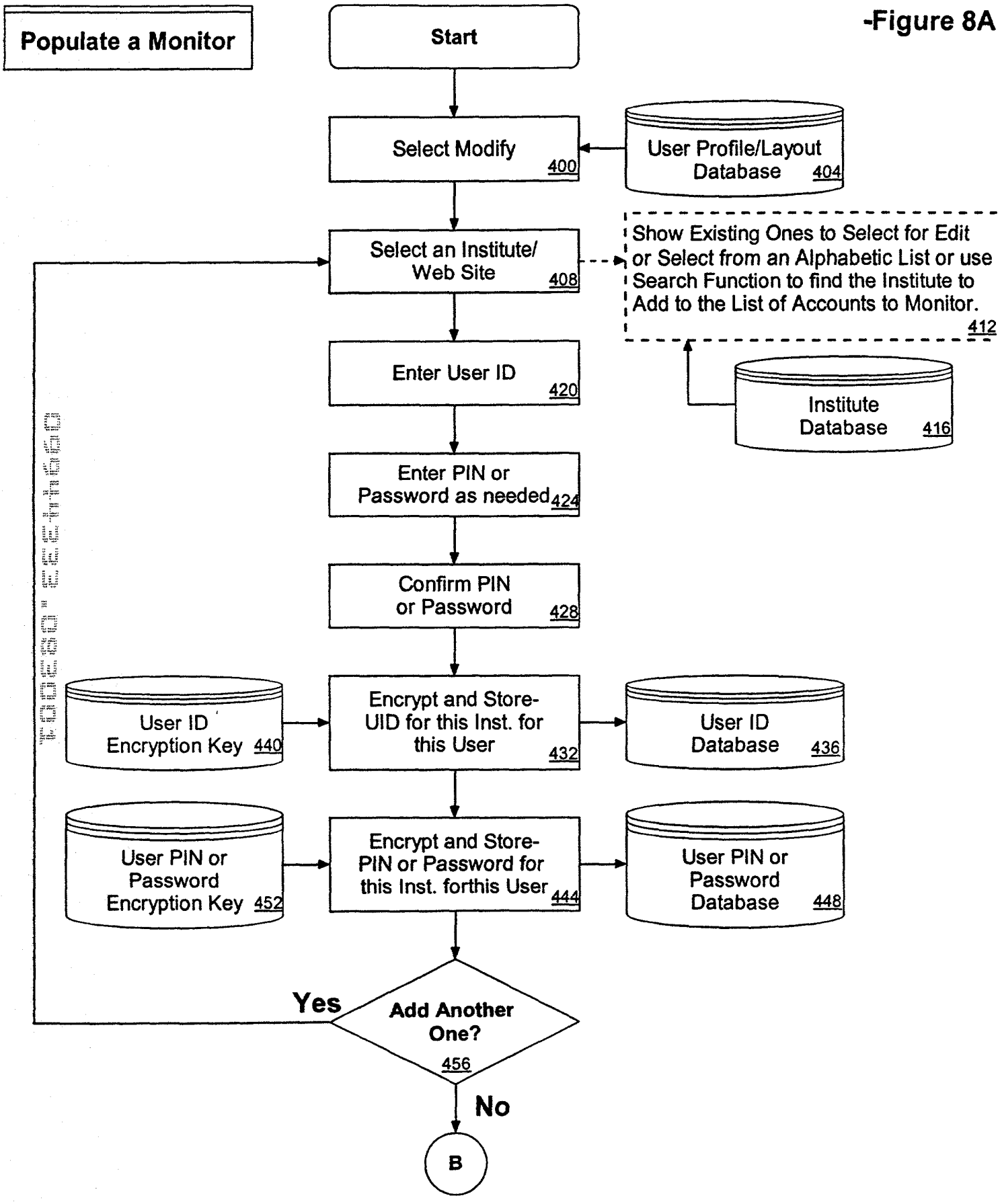

C
Select the Monitor to be Modified. 204
Change the Color Scheme? 208
No
Yes
Select the New Head and Body Color from list 212
Modify Monitors Displays Name? 216
No
Enter New Name 220
Modify Another Monitor? 224
Yes
No
F
Page 1

-Figure 7A


View Layout
Display View
Start
Read the Data (Position, Color etc) about all the Monitors in the View from Database.
Monitors Exist with Column Number = 1?
Yes
No
Column 1 Flag = 1
Column 1 Flag = 0
Monitors Exist with Column Number = 2?
Yes
No
Column 2 Flag = 1
Column 2 Flag = 0
Monitors Exist with Column Number = 3?
Yes
No
Column 3 Flag = 1
Column 3 Flag = 0
Populated Column Width:
Width = 100% (Col. 1 Flag + Col. 2 Flag + Col. 3 Flag)
Column 1 Flag = 1?
Yes
No
Width of Column 1 = width(%)
Width of Column 1 = width 0%
A
Page 5

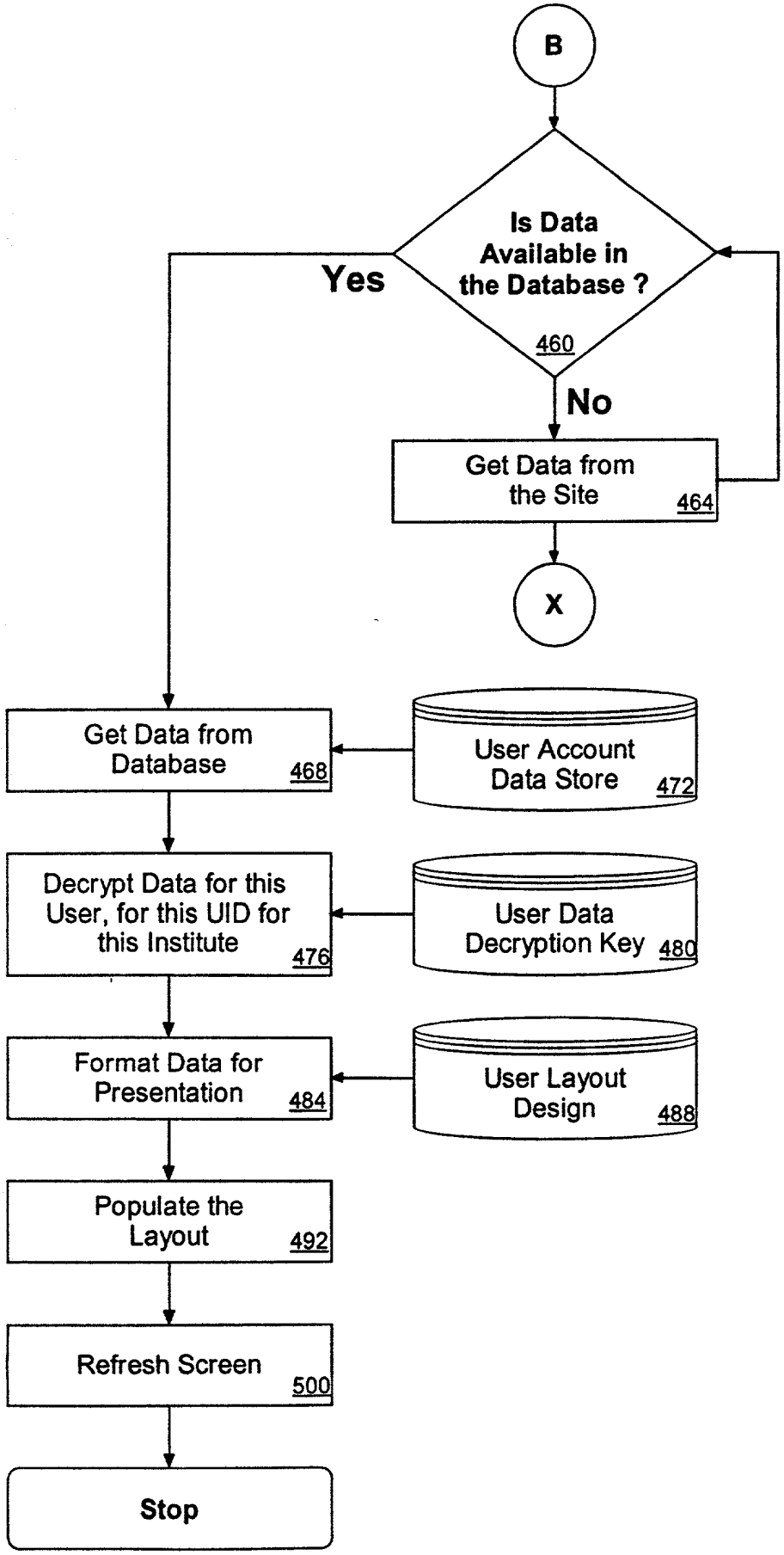
-Figure 7B


A
Yes
Column 2
Flag = 1?
No
Width of Column 2 =
width(%)
Width of Column 2 =
width 0%
Yes
Column 3
Flag = 1?
No
Width of Column 3 =
width(%)
Width of Column 3 =
width 0%
Generate HTML Code for a Table with 3 Columns. The Width is specified by Width of Column1, Width of Column 2, and the Width of Column 3.
Generate HTML Code to Paint the Various Monitors in the Order Specified by the New Number in the Respective Columns.
Stop

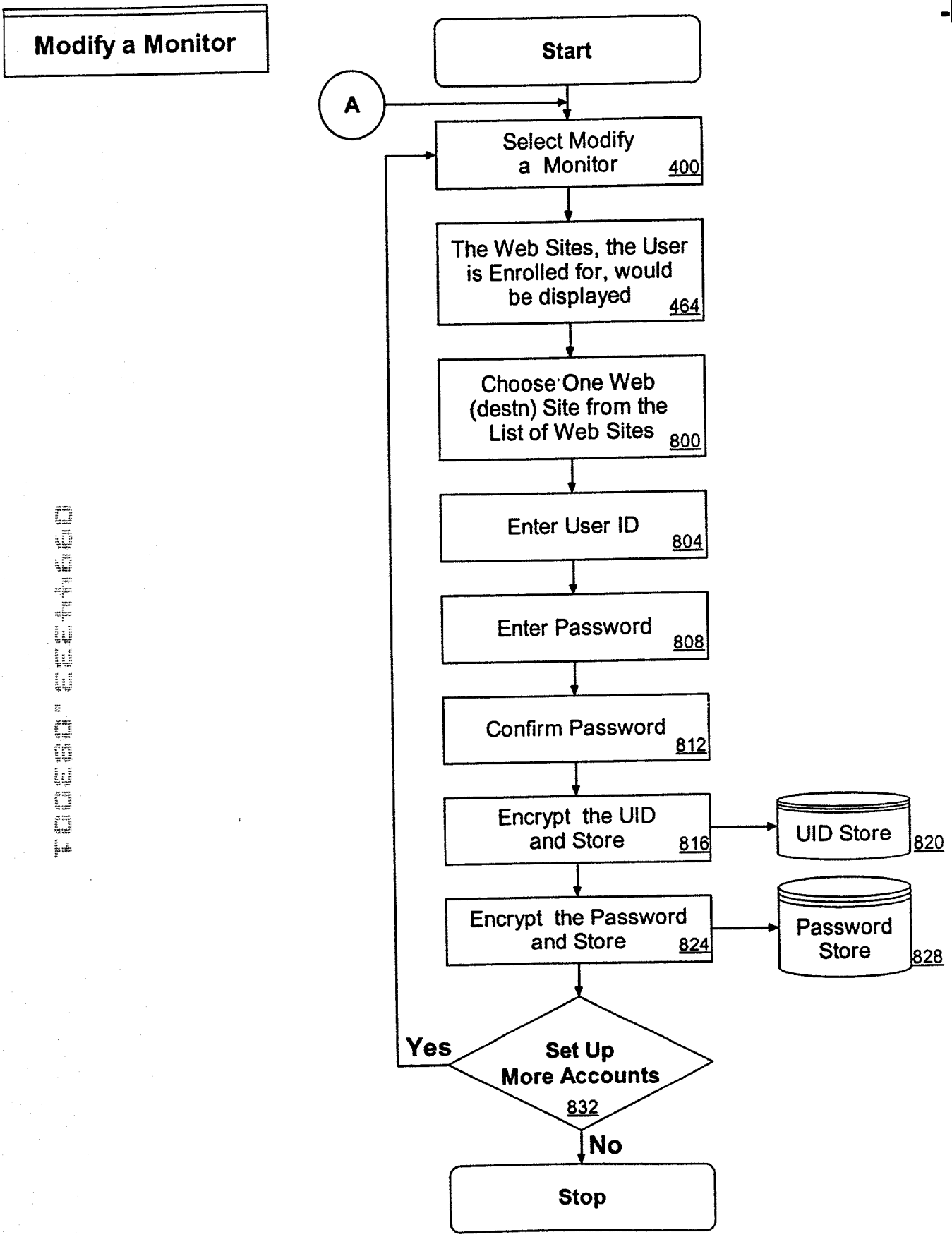

Populate a Monitor
Start
Select Modify
400
User Profile/Layout Database
404
Select an Institute/ Web Site
408
Show Existing Ones to Select for Edit or Select from an Alphabetic List or use Search Function to find the Institute to Add to the List of Accounts to Monitor.
412
Institute Database
416
Enter User ID
420
Enter PIN or Password as needed
424
Confirm PIN or Password
428
User ID Encryption Key
440
Encrypt and Store-UID for this Inst. for this User
432
User ID Database
436
User PIN or Password Encryption Key
452
Encrypt and Store-PIN or Password for this Inst. forthis User
444
User PIN or Password Database
448
Yes
Add Another One?
456
No
B

-Figure 8A

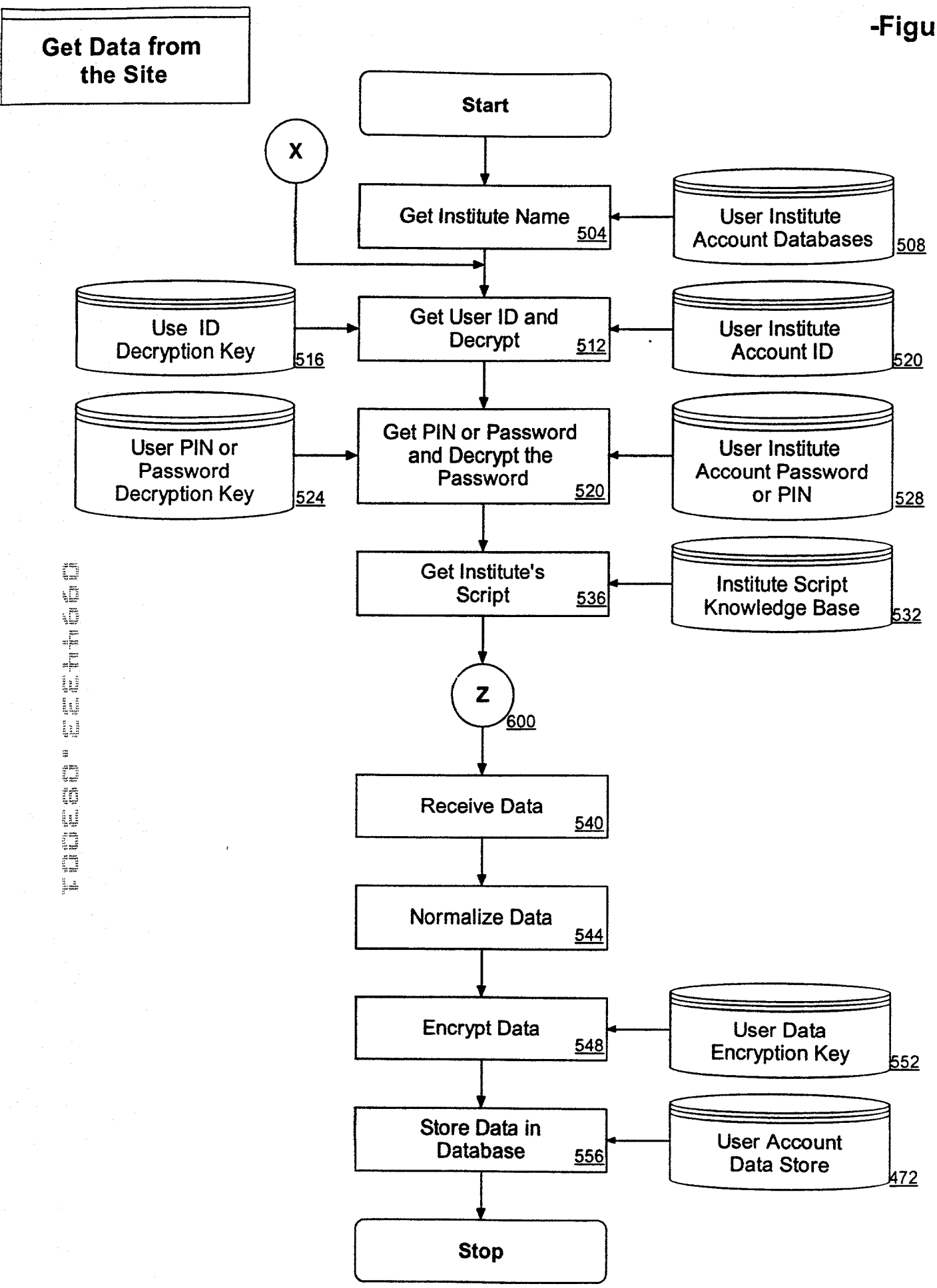
-Figure 8B


B
Is Data Available in the Database ?
460
Yes
No
Get Data from the Site
464
X
Get Data from Database
468
User Account Data Store
472
Decrypt Data for this User, for this UID for this Institute
476
User Data Decryption Key
480
Format Data for Presentation
484
User Layout Design
488
Populate the Layout
492
Refresh Screen
500
Stop

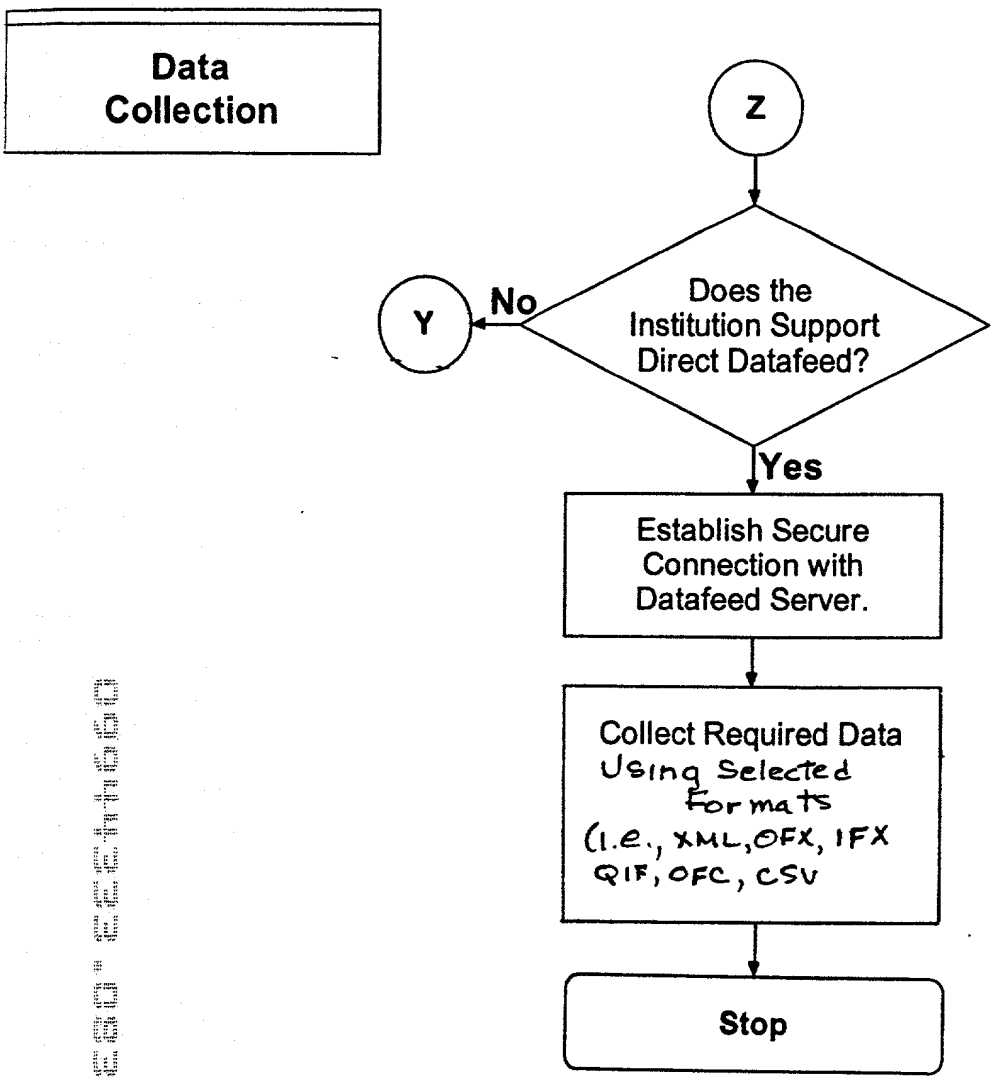
-Figure 9


Modify a Monitor
Start
A
Select Modify a Monitor 400
The Web Sites, the User is Enrolled for, would be displayed 464
Choose One Web (destn) Site from the List of Web Sites 800
Enter User ID 804
Enter Password 808
Confirm Password 812
Encrypt the UID and Store 816
UID Store 820
Encrypt the Password and Store 824
Password Store 828
Yes
Set Up More Accounts 832
No
Stop

-Figure 10-

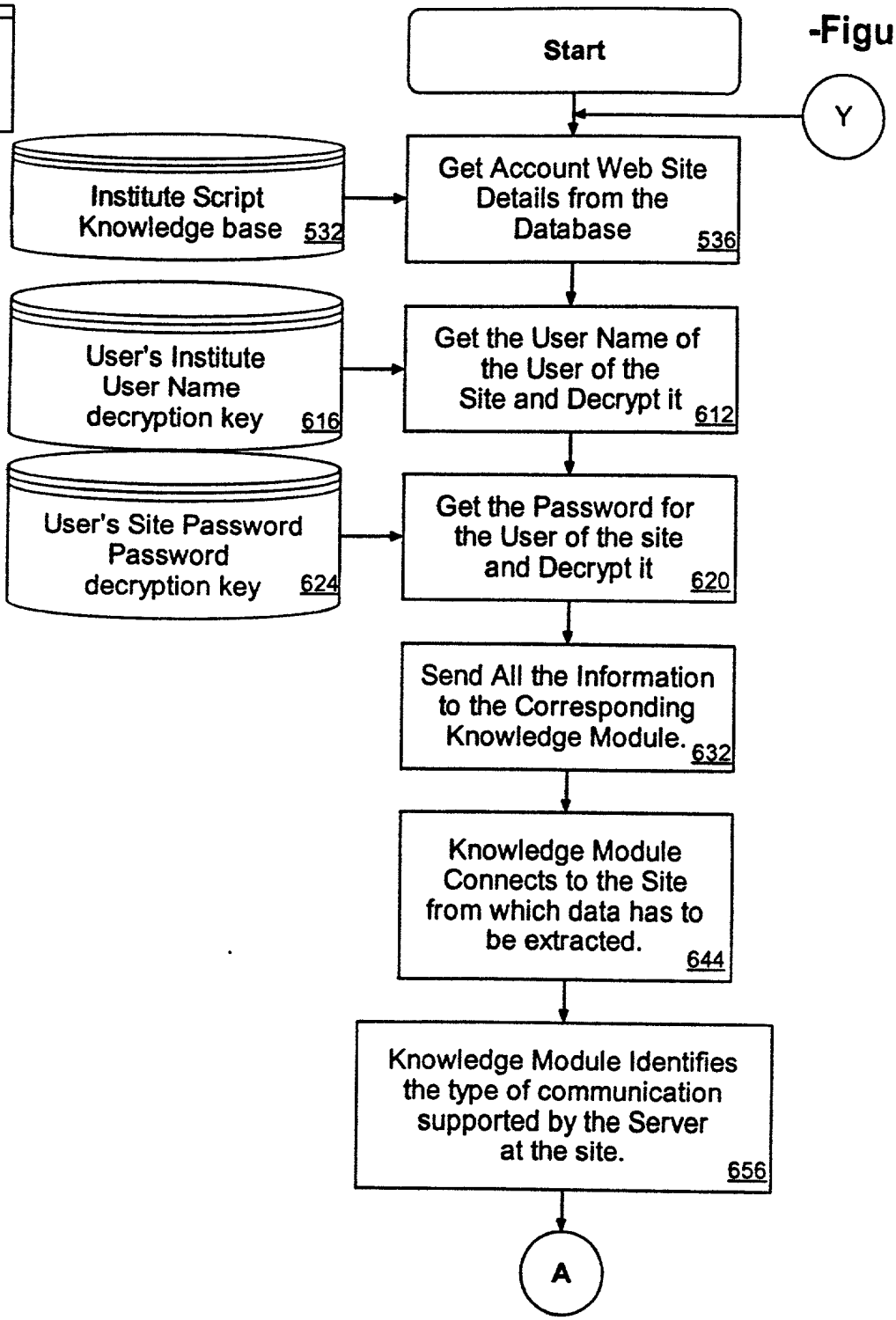

Get Data from the Site
Start
X
Get Institute Name
504
User Institute Account Databases
508
Use ID Decryption Key
516
Get User ID and Decrypt
512
User Institute Account ID
520
User PIN or Password Decryption Key
524
Get PIN or Password and Decrypt the Password
520
User Institute Account Password or PIN
528
Get Institute's Script
536
Institute Script Knowledge Base
532
Z
600
Receive Data
540
Normalize Data
544
Encrypt Data
548
User Data Encryption Key
552
Store Data in Database
556
User Account Data Store
472
Stop

-Figure 10B


Data Collection
Z
Does the Institution Support Direct Datafeed?
No
Y
Yes
Establish Secure Connection with Datafeed Server.
Collect Required Data Using Selected Formats (i.e., XML, OFX, IFX QIF, OFC, CSV
Stop

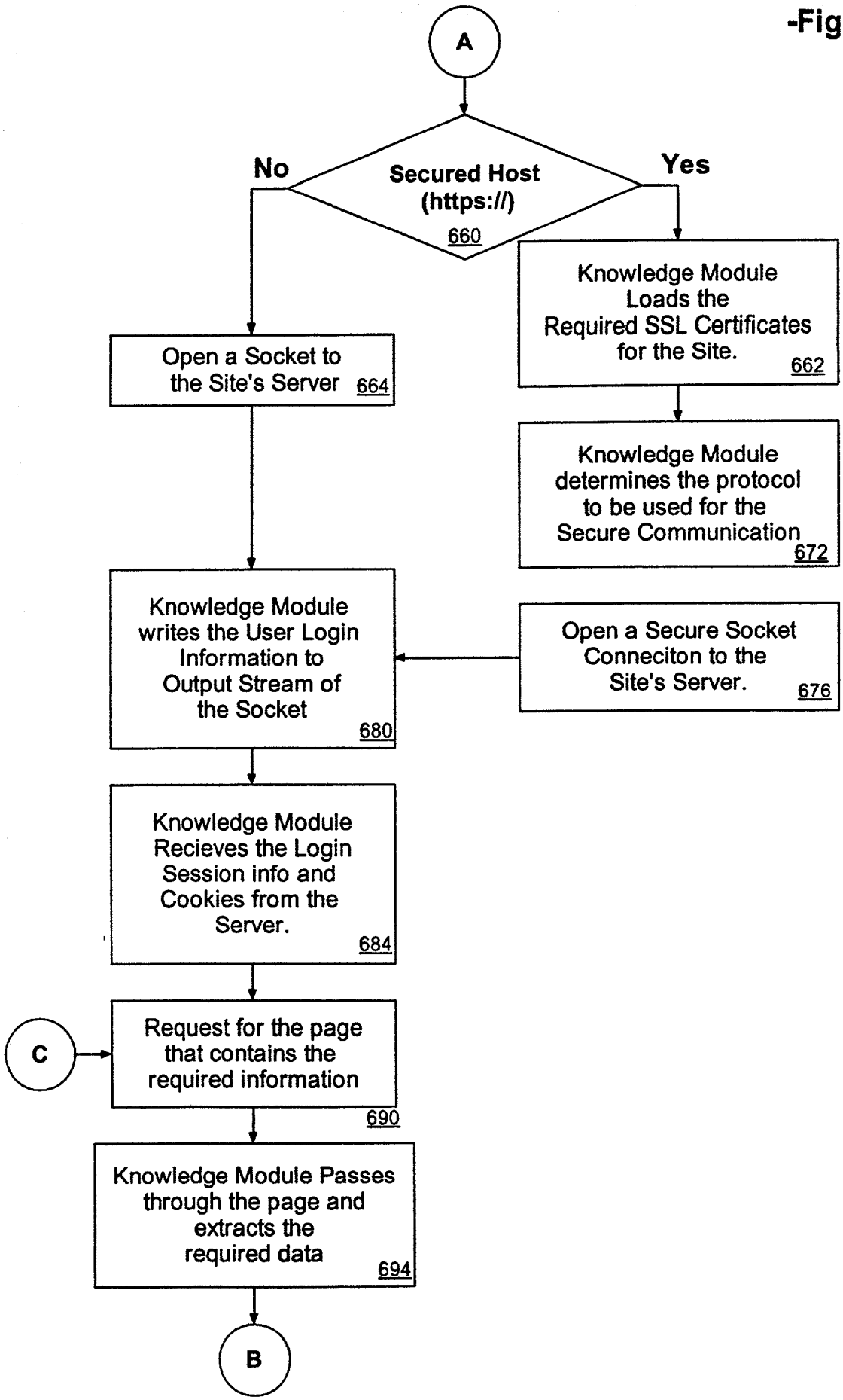
PROGRAMATIC DATA EXTRACTION

-Figure 11A

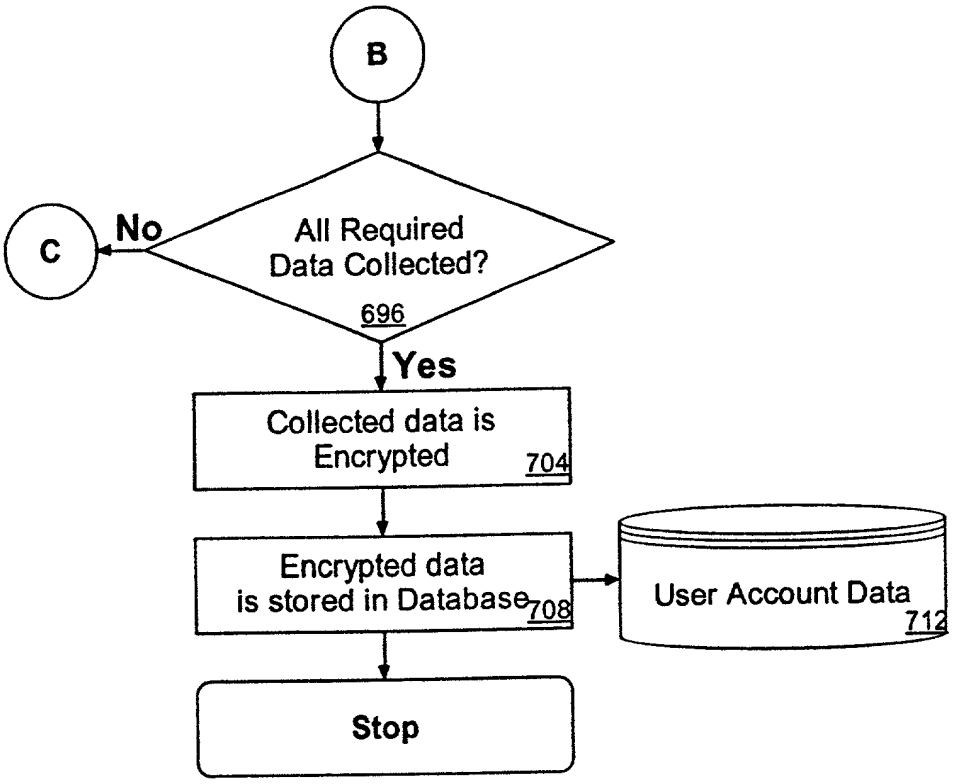


Docket No. 50277-2000

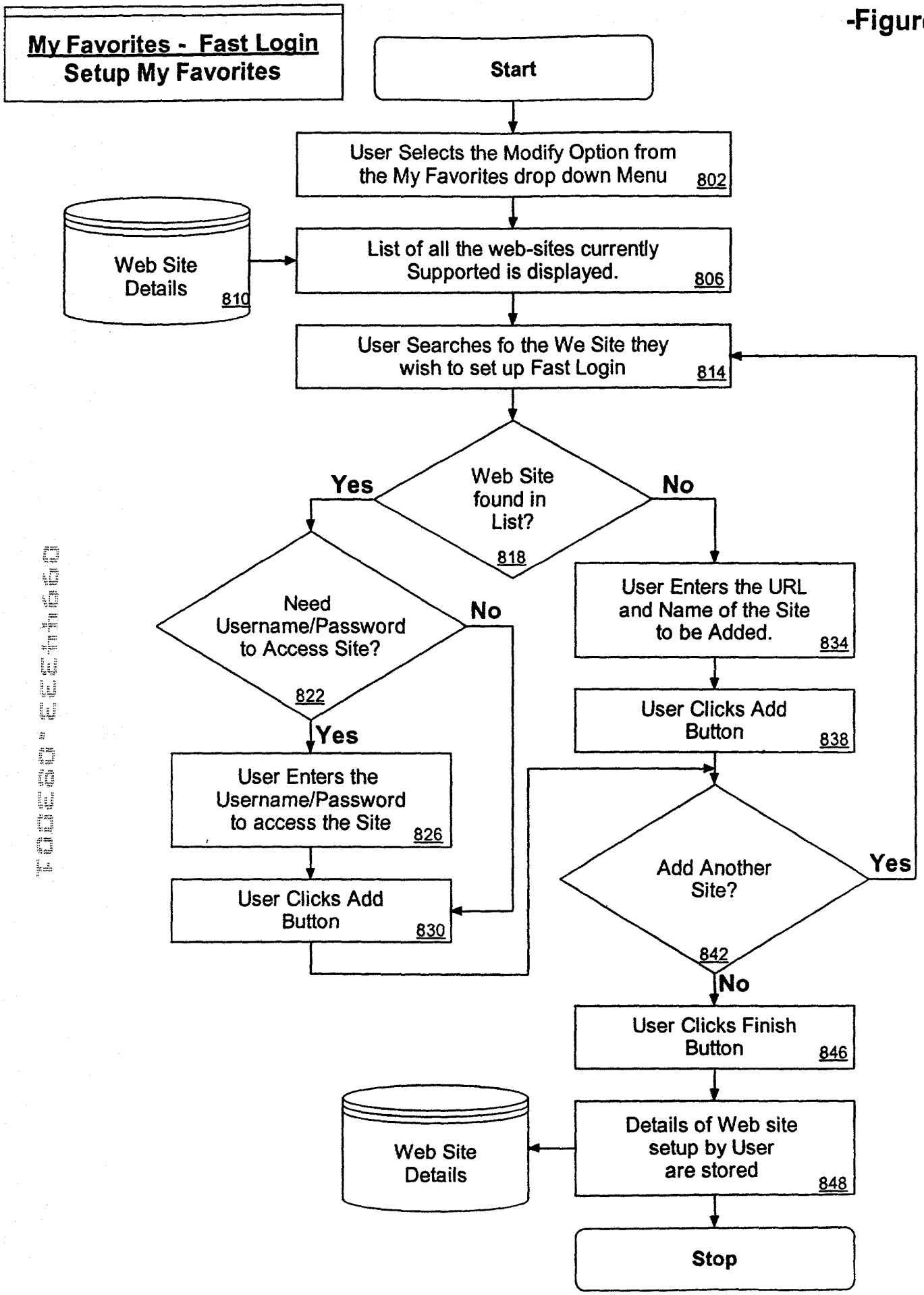
-Figure 11B

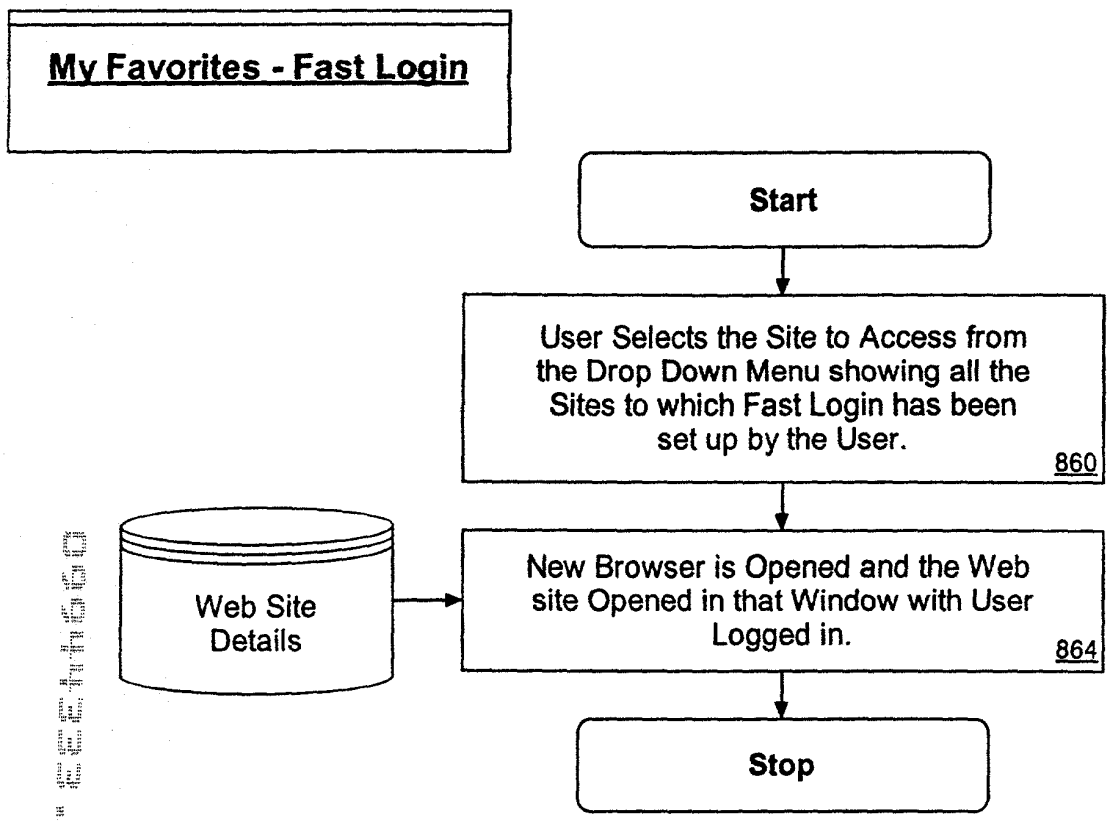

A
Secured Host (https://)
660
No
Yes
Open a Socket to the Site's Server 664
Knowledge Module Loads the Required SSL Certificates for the Site.
662
Knowledge Module determines the protocol to be used for the Secure Communication
672
Knowledge Module writes the User Login Information to Output Stream of the Socket
680
Open a Secure Socket Conneciton to the Site's Server.
676
Knowledge Module Recieves the Login Session info and Cookies from the Server.
684
C
Request for the page that contains the required information
690
Knowledge Module Passes through the page and extracts the required data
694
B

-Figure 11C


B
All Required Data Collected?
696
No
C
Yes
Collected data is Encrypted
704
Encrypted data is stored in Database
708
User Account Data
712
Stop

-Figure 12A

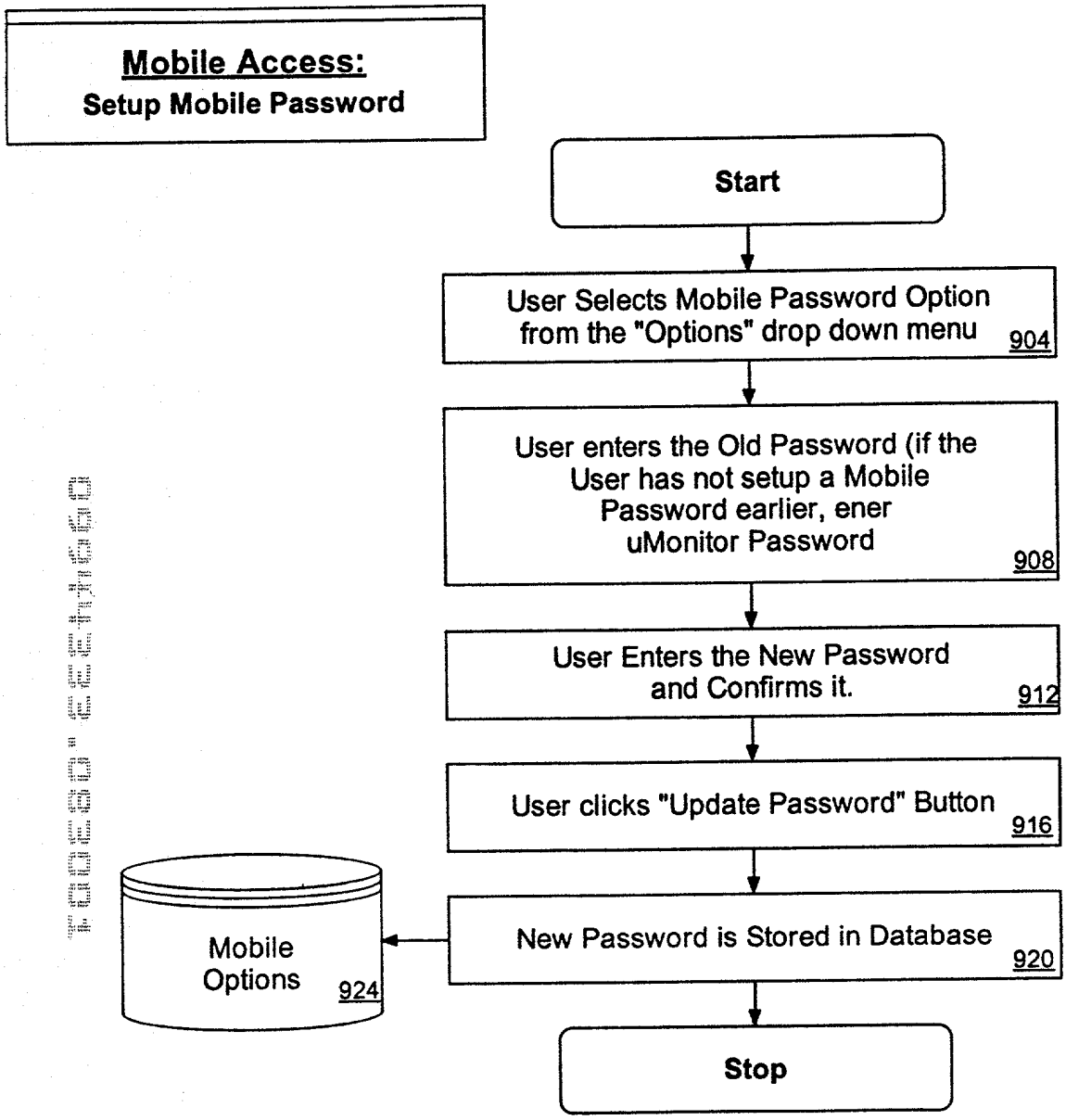

My Favorites - Fast Login
Setup My Favorites
Start
User Selects the Modify Option from the My Favorites drop down Menu
802
Web Site Details
810
List of all the web-sites currently Supported is displayed.
806
User Searches fo the We Site they wish to set up Fast Login
814
Web Site found in List?
818
Yes
No
Need Username/Password to Access Site?
822
No
Yes
User Enters the Username/Password to access the Site
826
User Clicks Add Button
830
User Enters the URL and Name of the Site to be Added.
834
User Clicks Add Button
838
Add Another Site?
842
Yes
No
User Clicks Finish Button
846
Details of Web site setup by User are stored
848
Web Site Details
Stop



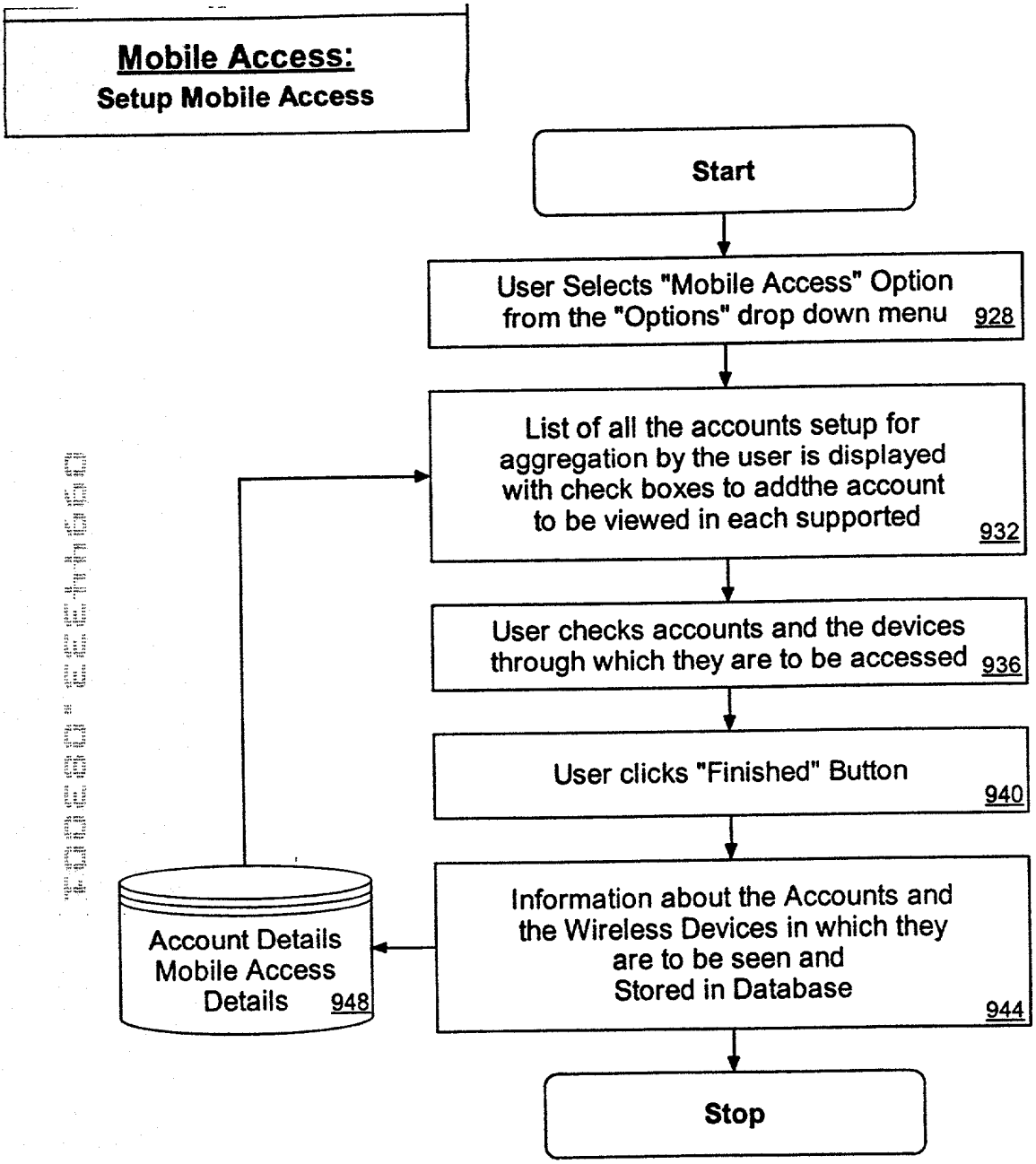
-Figure 12B

Patent Application Publication Dec. 29, 2005 Sheet 13 of 16 US 2005/0289468 A1

-Figure 13A

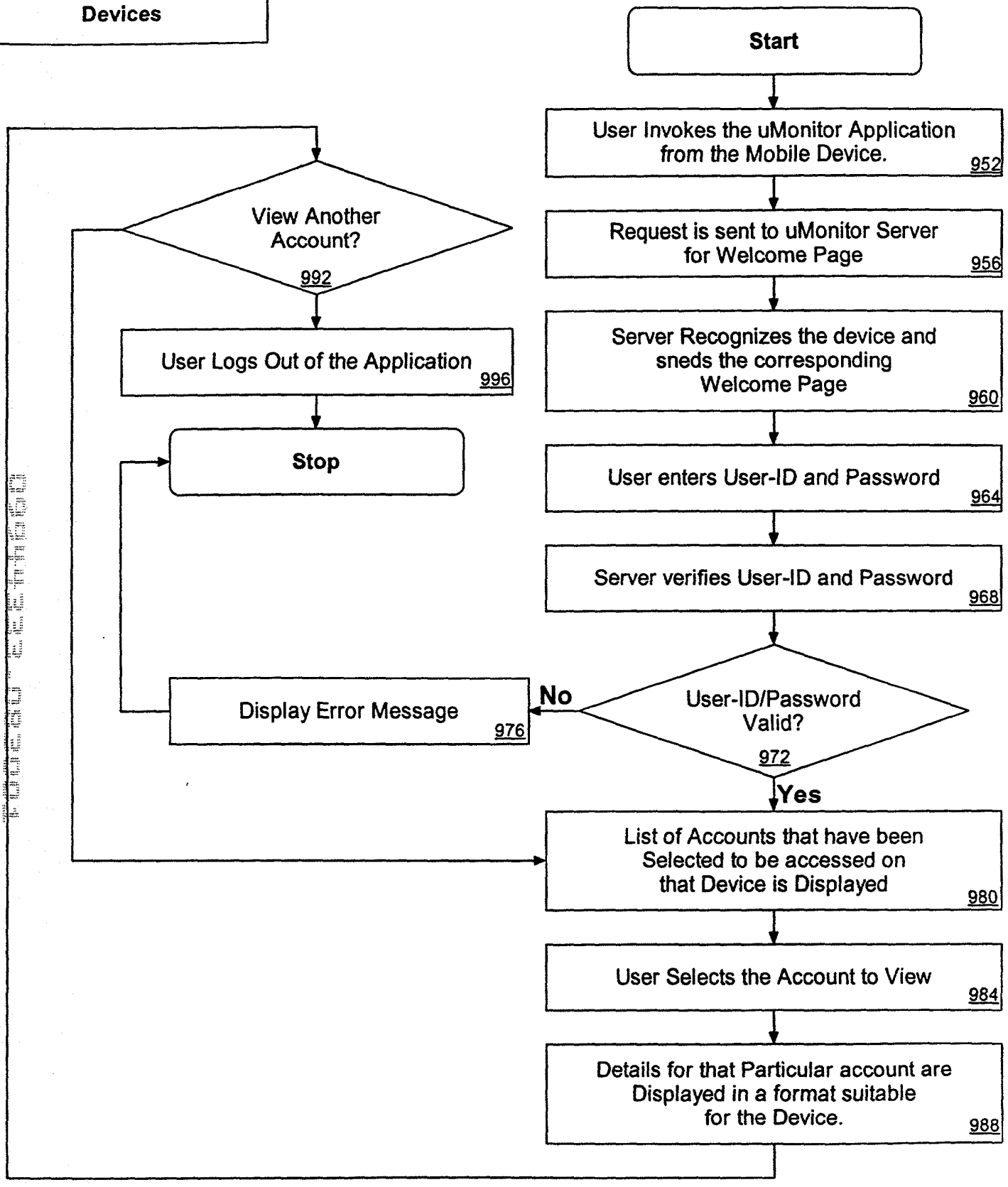

Mobile Access:
Setup Mobile Password
Start
User Selects Mobile Password Option from the "Options" drop down menu
904
User enters the Old Password (if the User has not setup a Mobile Password earlier, ener uMonitor Password
908
User Enters the New Password and Confirms it.
912
User clicks "Update Password" Button
916
New Password is Stored in Database
920
Stop
Mobile Options
924

-Figure 13B


Mobile Access:
Setup Mobile Access
Start
User Selects "Mobile Access" Option from the "Options" drop down menu 928
List of all the accounts setup for aggregation by the user is displayed with check boxes to addthe account to be viewed in each supported 932
User checks accounts and the devices through which they are to be accessed 936
User clicks "Finished" Button 940
Information about the Accounts and the Wireless Devices in which they are to be seen and Stored in Database 944
Account Details Mobile Access Details 948
Stop

-Figure 13C

Mobile Access:
View Accounts on Mobile Devices



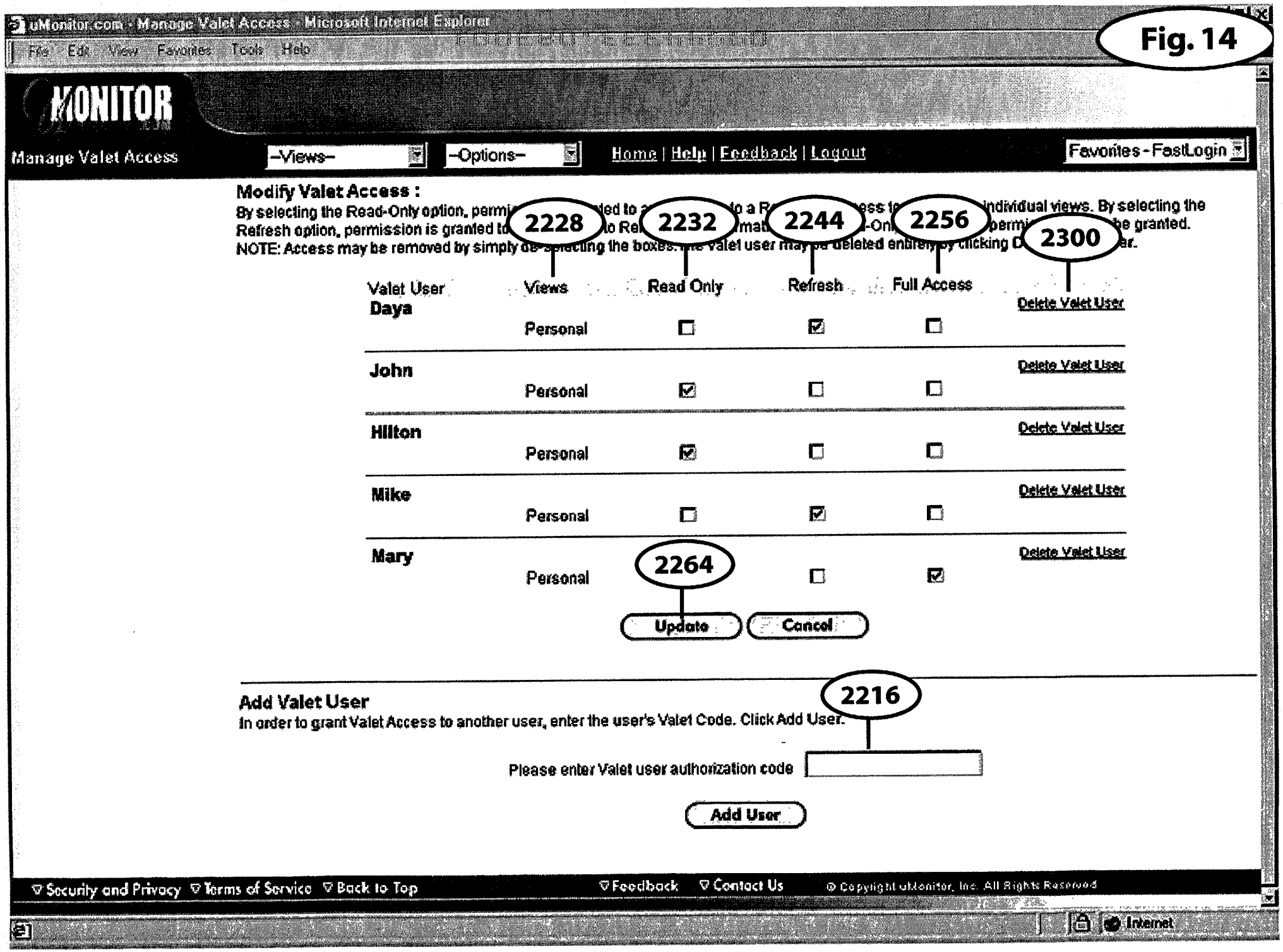

uMonitor.com - Manage Valet Access - Microsoft Internet Explorer
File Edit View Favorites Tools Help
MONITOR
Manage Valet Access
--Views--
--Options--
Home | Help | Feedback | Logout
Favorites - FastLogin
Modify Valet Access :
By selecting the Read-Only option, permi ed to a to a R ess t individual views. By selecting the
Refresh option, permission is granted t to Re mat -On permi be granted.
NOTE: Access may be removed by simply de-selecting the boxes. The Valet user may be deleted entirely by clicking D er.
2228
2232
2244
2256
2300
Valet User
Views
Read Only
Refresh
Full Access
Delete Valet User
Daya
Personal
John
Personal
Hilton
Personal
Mike
Personal
Mary
Personal
2264
Update
Cancel
Add Valet User
In order to grant Valet Access to another user, enter the user's Valet Code. Click Add User.
2216
Please enter Valet user authorization code
Add User
Security and Privacy
Terms of Service
Back to Top
Feedback
Contact Us
Copyright uMonitor, Inc. All Rights Reserved
Internet

Fig. 14

Fig. 15A

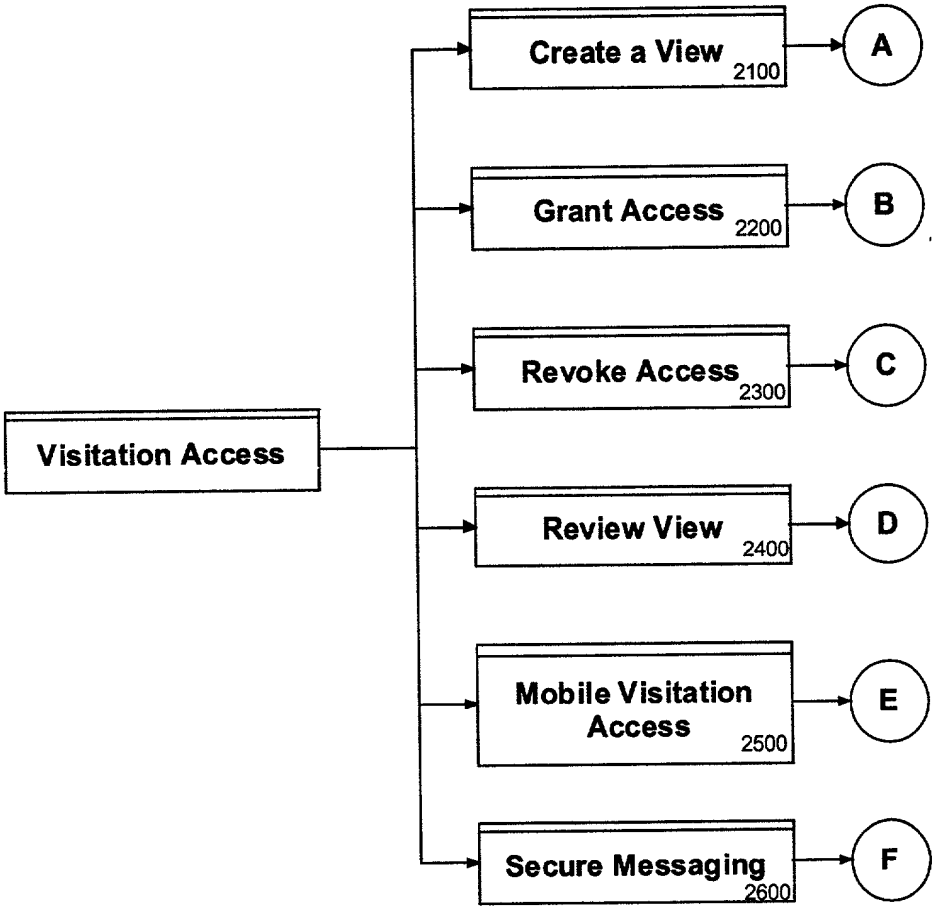
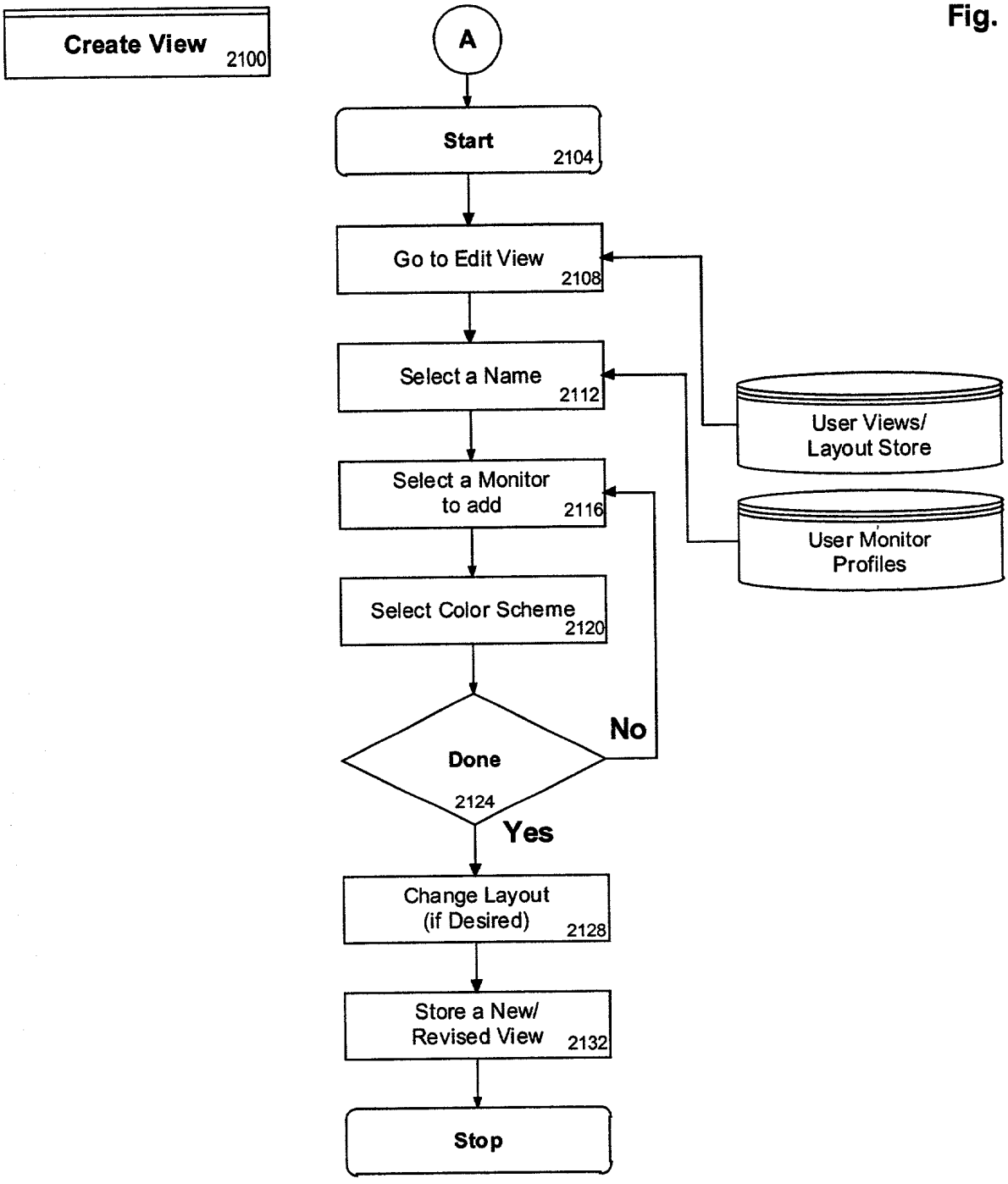
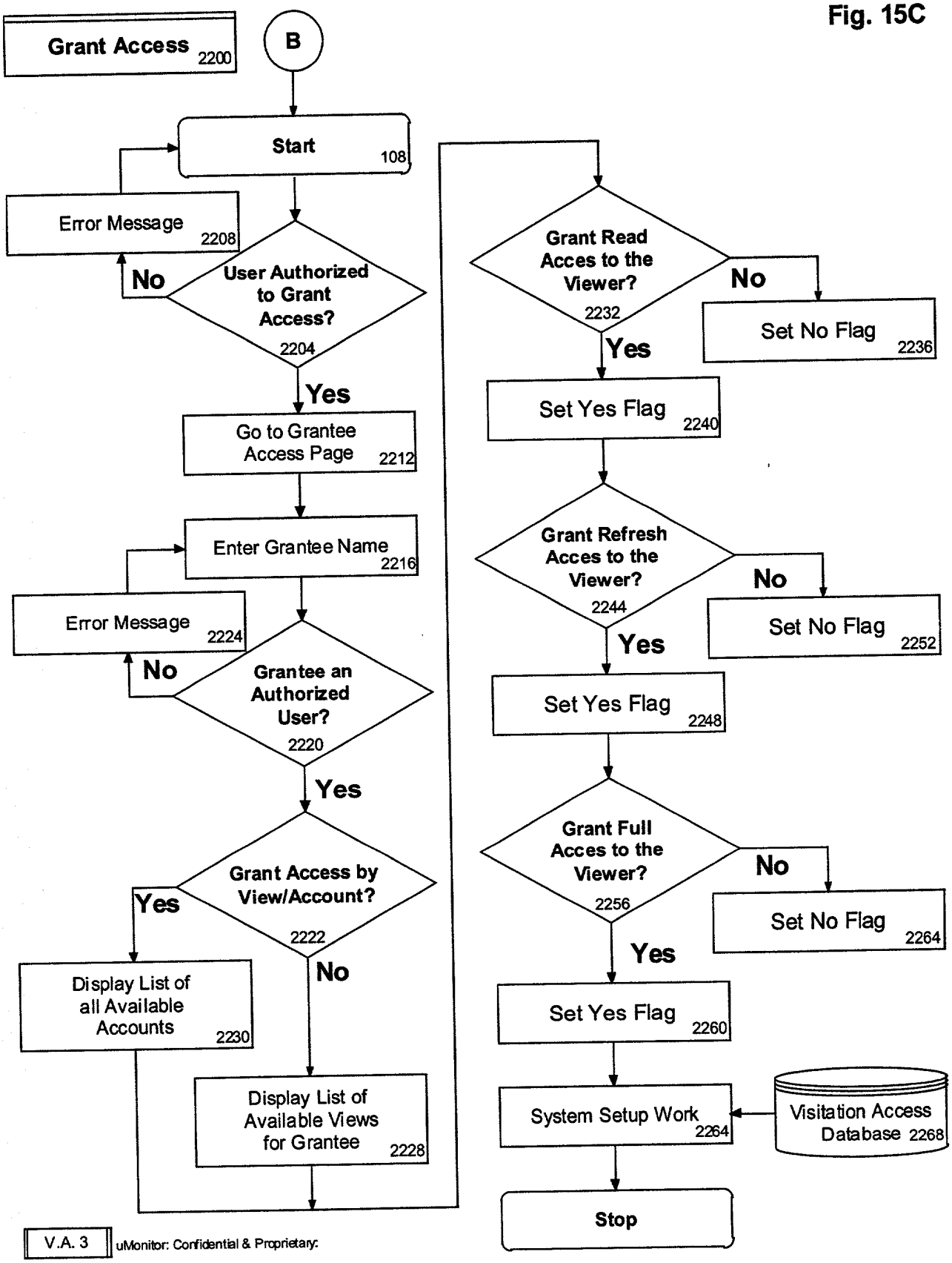

Visitation Access
Create a View 2100
A
Grant Access 2200
B
Revoke Access 2300
C
Review View 2400
D
Mobile Visitation Access 2500
E
Secure Messaging 2600
F

Fig. 15B



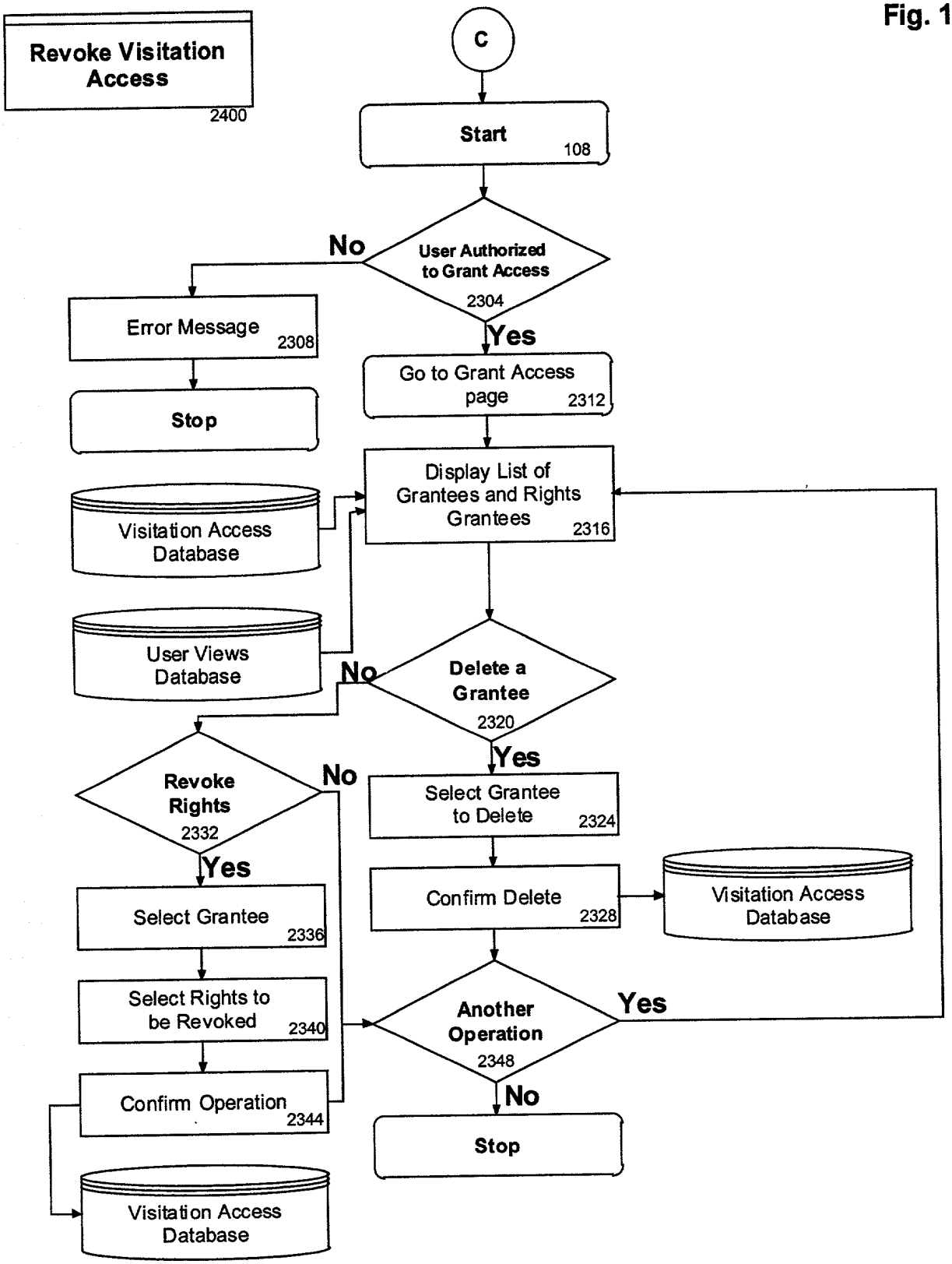
Petitioner Apple Inc. - Exhibit 1002, Page 1 of 3

Fig. 15C



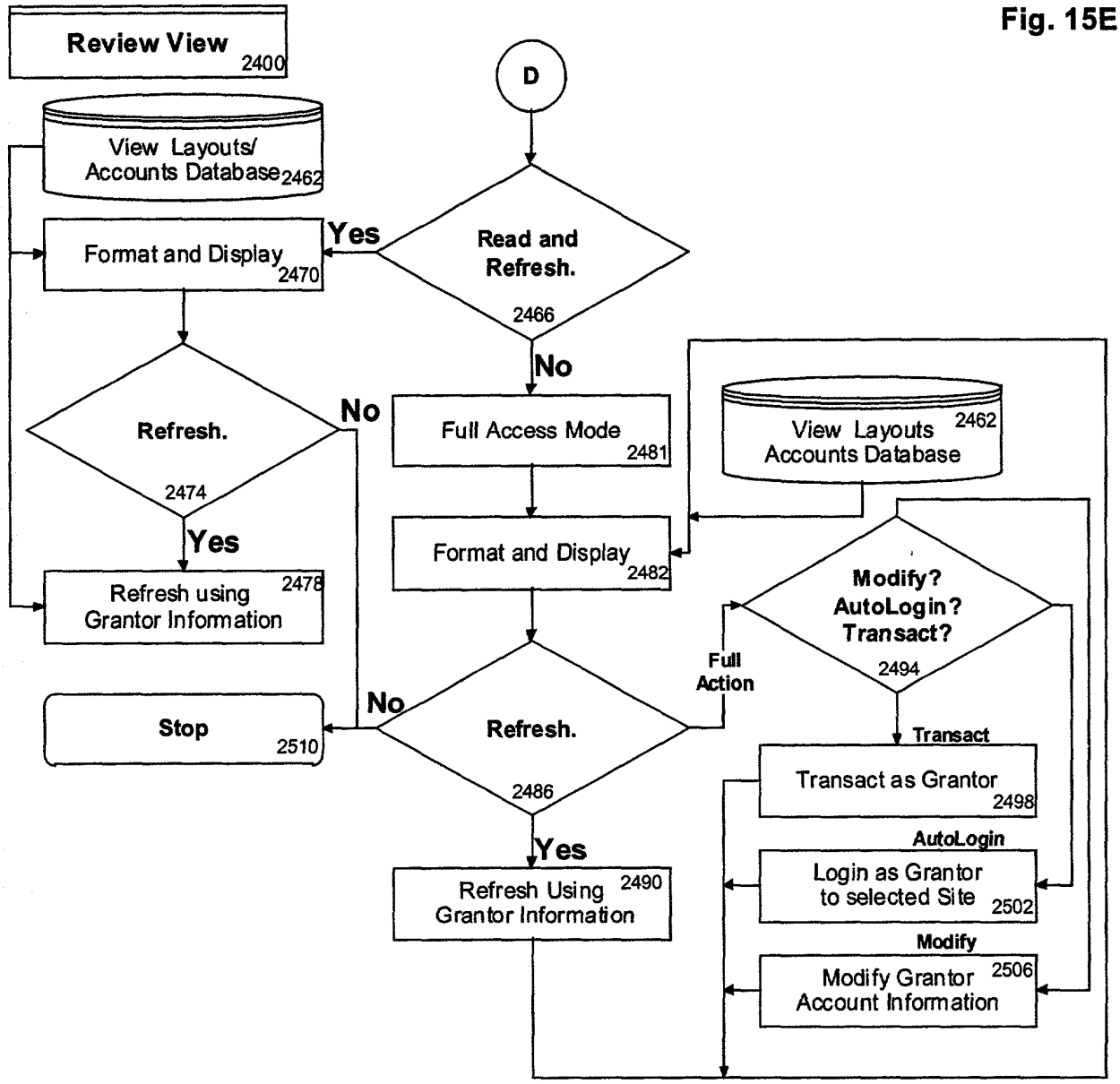
uMonitor: Confidential & Proprietary:

Fig. 15D



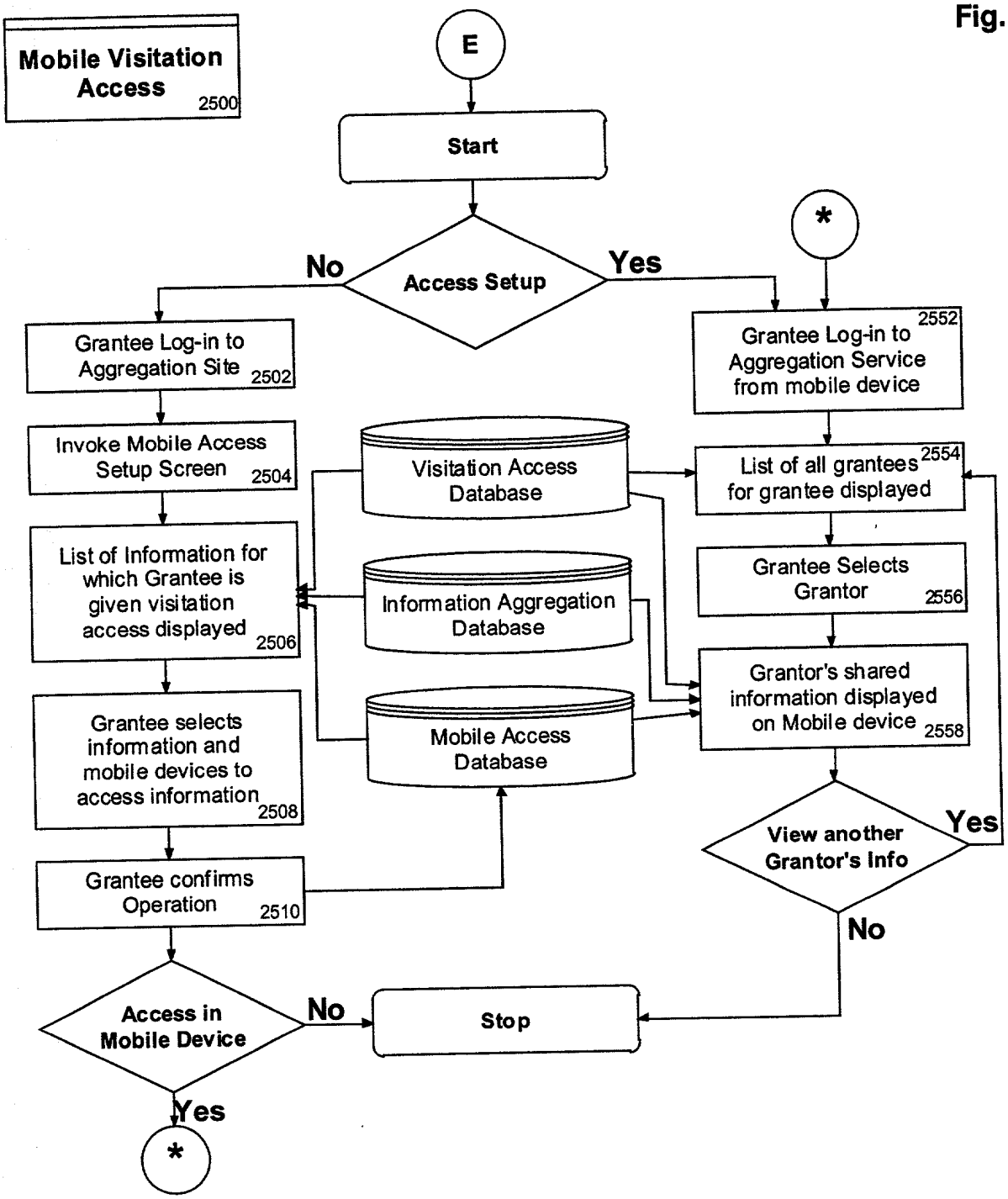
uMonitor: Confidential & Proprietary:

Fig. 15E



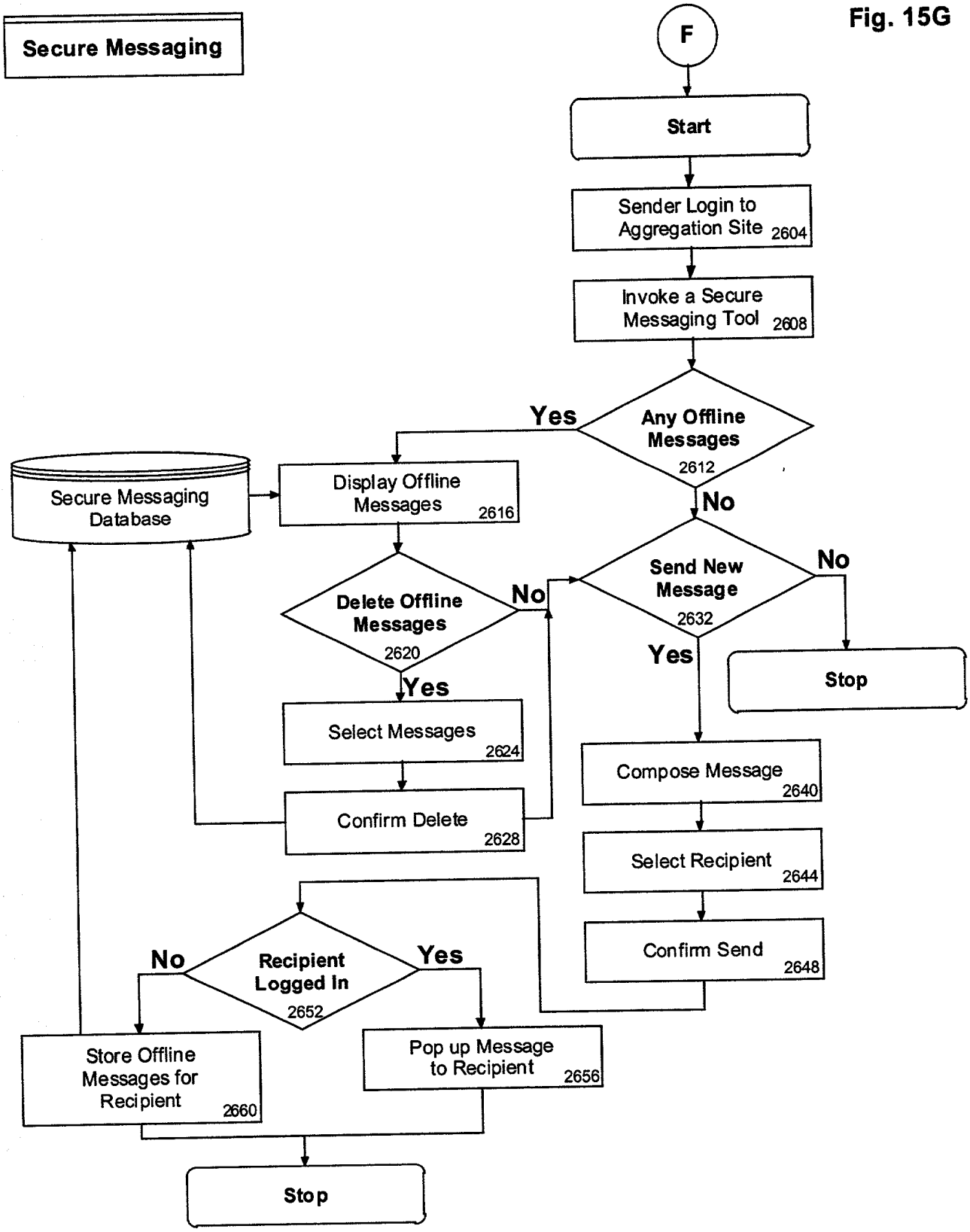
uMonitor: Confidential & Proprietary:

Fig. 15F



uMonitor: Confidential & Proprietary:

Fig. 15G



uMonitor: Confidential & Proprietary: